

caccccaat	gccatgtctc	tcatnngtc	ccatgactcc	tatctgatgt	ccctgcata	120
ccaataattt	aagtccccaa	ctaatggttc	catgcatatc	cttatgtcta	tataaatattt	180
caaggccgca	agcattgagg	accaacacaa	atcattcaca	tcataaagt	tttgaaaatta	240
aaattctcaa	cacttcttctt	caaccattct	cttctcgat	caatacaaca	atgggatttc	300
gttacctggc	atatataggc	attcaaagcg	gtgacgcacc	taaggctatc	ttgcagtcta	360
tgtcggagag	aaattga					377

<210>	1477
<211>	288
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 1477

ntggcttaatt ctgtcatttc aaggggtcaa atgagcttgg aagtcaagaac ctctgcactt 60
gaataattgg gctacgagtt tggactttgt tttgtgtaat tagtttagtt aggtatatta 120
gatggaccta atcaaggcat atcacttcct tttgtgtagt cactttatat attagtgaa 180
.gttagtttagt tagtttagtta cttcattttg taaaaaacaa aatttagttac ttgctgtgca 240
aactttctct tttctctcaa ctattcatta ttcttcttcc ctttttca 288

<210>	1478
<211>	508
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 1478

tccggaccacc ttactttat attctttatt cgtatatanc tgttgtttnn taatannnnn	60
ncccagcgag ttgattgtag cgtgcaagcc cttagancac cgccgctgca actcgcggca	120
acatgtggct gctcttgctt tttcaaaggt cggatactca ccacacacgc gggggcaaaa	180
aacatgcatt acttgacctt gcttgttgca ttaagacgc tcgcacgaac tatagtgagc	240
tctcgagacc atgtttgaag atggagctgc gctgacaccca cgcttgaagc cgaggattgct	300
gtgatctaga tacagctaga cacagcttat gcttatctta tgtggtaacg tatccggcgt	360
gtactcagat ctgctctaaa accacatacc tttcgctaca ccatatcgac ccccaagacg	420

atgaccttct caatgaccgt tagacacaag acttgaatca tagcattcca tgccttgaa 480
cgacaacaca cgacaggat cccggccg 508

<210> 1479
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1479

ctttaggaaag cctcttatga agtttcaa ggaagctaca tgaagctgtc tcggtaaaaa 60
cgctgcccat acttcgttaa ccgttggatc ttctcgaaagg ttggtttgcg gcttcacaag 120
acactttcc atgatctgac cattggatc tttgagaaga tgtctggagt atgcgtgacg 180
tttccgttcc tgagagcatt gctcacctgt gcgttttag cttgttagtc caagtagcta 240
aggaaaaacg ccattntctt ctcccttctt cttccaaaac catttaatta atcaattgaa 300
atattgatcc tagggttcgt cccttcatt nntgttaaaa ctttcttatta ttctgcacaa 360
caaggaaaca taaagcttg ggatcgatcg tgcgcacat ttgaggatgg caatggattt 420
gcacccttg gtatgtgacc aagtgaaact ttncttgatt aaagtcatag agtcatgcca 480
agggtctgtc aatcccactg aat 503

<210> 1480
<211> 168
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1480

agtttcttag tctcagatga tgcagctgag ttttagcta cctcatgcac tcctctaatt 60
actatagcat catttctggc gctaaactgc tggagtttag aagccatctt ctcaatgaaa 120
ttcctggcct caacacgagc cnaccacca agggctccac ctaccggc 168

<210> 1481
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1481

agatgctgct gtancatgca ttagtgacct atagatactc agcttaagaa gaatggcctc 60
agcaaacttc ttatttcctt aaggaaattc aatcaataga cctccaatct ttaatggaga 120
gggttaccac tactggaaaa cccgaatgca atatttatt gaggcaatag acttaaatat 180
tttggaaagcc atataaatacg ggccttatat acccaccata gtagaaagaa ttagaataga 240
tgggagcaca acaagtgaaa gcataacaat agaaaaacct agagatagat ggtctgaaga 300
ggatagaaga cgagtacaat acaatntana agccaaaaaaaaa ataattacat ctgccctng 360
aatggatgaa tatttcannng gttcaaaatg taagagtct aaggaaaatg tggacactct 420
acaattaaca tatgaaagac aacagatngt aaagatctag gataaacaca ttactcatga 480
tataactttt angatgatgc aatgaagcat catacatcaa at 522

<210> 1482
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1482

cgttgaatcg atcagtgcgt gaccgtatat anaagccacg cctgcncctt actcataggg 60
aagctgtggc ccagtatttc ttttgacttg aagcaacggc taaccgcatt gtccggctcc 120
cgcgcaggat tcctactaaa ctgtttcgtg tccgggtcga cgtctgacat tcgtcgcgag 180
gtccatgccc accacccact gacactcgac caggcggcgg gcctggctcg tctttacgag 240
gaaaagttcc tcgatggccg caccctctct cgtactcggtt accctcaacc tcatacacat 300
tcactctcaa ccgacacacaca ctcattctcg accctacccc atccaccgtg aacctgtttt 360
ctccatcttag atcgctattc gagcatgcgg agtgtgttca gtccctatcc catctatgct 420
accaccaccc cgtgttcgtc tccttcctg gaagcagtcc tctccgaaca atcgctttgc 480
agcggtagacag ggctaccatc aaggtgatg 509

<210> 1483
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1483

gctctgacat catnacgaac aagaccttagc tggtgccaga gtaggcgcag atccttttc 60
ctttcagctg acctaaagcg aatgtataca ccccactctt ccggccatata taggaacatg 120
acatgatcaa atctcctcgc ctcaaattag aaatatctt gaacaccaat cgtggatctc 180
tcatttgaga ttatagcact acctcggagc ctatcattcg ctacttgaac attcgctacc 240
aattaaattt gacccccata tatcacagac ctcacagact ctcgacggat aacattcgga 300
agtaagacct atgcctgtgg agaaaaaaca atatgcacta tttaaaggaa gtaagacttg 360
atttcaatca ccatacagcc ttttttaaca atcttcactc agaagtctt atgaaccccg 420

<210> 1484
<211> 520
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1484

cggccgttgn atcgatccat ctcagacccg cgatcntaga gtcaccccg gcgcacatgcaag 60
gcttgctcta cagtcggct ntatgattag ggaattctat ttagcacata acaaacaggt 120
aataaaattt tgccccacca aaaagagggt gcacttgaac tcaacatagt agctacaact 180
aattctgtaa aagttgtatt ctttcttca gcttactgt tcatttcagg tgaatatgga 240
gcagacgtct catgtatgtat tccatgcaaa ttataaaact cattaaacaa actagaatca 300
tactttgtgc ctctatcact tcgaagttc ttaattctct tattgaattt attgtcaatt 360
tctgttacat ataactaaa catgtcaagc gcttcactnt ttatttcat aagatataca 420
tatgtataat cagagcagtc atcaataaaa gtgataaaaat atcgtttcc atttctggca 480
acgttccatc aattcacgtat atcagaatgt ataaatgcan 520

<210> 1485
<211> 76
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1485

ntcttggaaag agatgggacc aacagctttt cgtccgcaga attcgcccc atcttcggc 60
aatacatccc gaagat 76

<210> 1486
 <211> 435
 <212> DNA
 <213> Glycine max

 <400> 1486

 aacatcttat atgttctatg agttaatgac ggctgtatca ctgcattgggt gtatggtgtt 60
 aattcattga ttttataatg aattggtttg gttcaagaac gaattggtgtt cttgcactct 120
 atgggacgat tattgtgtcc aatttctgga atatttggat taacatgaga atgaagggcc 180
 tattattgttta ttgttgacca atgccagaat taaagaacgc cagggtatac tatgatata 240
 agtagttgg ttttcatctt cattggatcc aactttagct ctcatttctg agtggttcag 300
 gatcatattc atgctctgtt agcaattctt tgaatgcttc taaatttgctt tttactgagc 360
 catgttgcta actgatcaact tcaatatatg tttgcctcc tattgtacaa ttaaatctgc 420
 tctttccctc tggtct 435

 <210> 1487
 <211> 482
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1487

 ctagataatg tgntaatttt aaggatgtgc gaaataaggc actggccatt tagaaagaaa 60
 acactgcccc tcgcgtgttg tctcgtgagg gttatgaata tctagaaaaac aagttgatgg 120
 aggagaagaa aaagaaaacaa ttgttaggaag cagctcaatc cgaaagcact gacaccatca 180
 ttgatcctcc accttccatc agacgacacg tgaatggaa gatgaccgc accaagaaaa 240
 ctggtcanat gacgcctgag gtagcaaagg aaattgctga caagaatgta agtcgcttc 300
 gtttgcataat tggtggntat tataatttatt ggttgcata gtaaccaata aatttgcttg 360
 tacatgattt ctagagggag aggccctcaca cggaaagctt gtcgtatgga catcatgatg 420
 actgactgtt gcattggcaa ccaaacactt ggttggccgt gctgtggact ggagtccact 480
 ac 482

 <210> 1488

<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1488

agccctgttg tttgatgcga tctcgacac cgtgatacta tatagcgcat ctgcgagcgt 60
gcttagcttct gcctcaatat tctatagcta aggggtataa tagagtgaat actggctgct 120
cccccttaagc acttgtctct ctctgcgatt tgctcgacaca catcgcttcc gtgaagatga 180
tactcactcg ggcgcttccg aaacgatgac gttacgttt gtgacgaatt tctcgaaggt 240
gtcgaccgct ctgcgacat cttcattcga tcatcagtcg ttcatcgagc ttccggcagga 300
gaataccctcg caccaagctt tgaatgcact ctatgaacgc gtggcgcc acatcggtg 360
tctagtatta tattctcaac gcatttctat caatgcctct ttaggcgtgc atatgccatt 420
gatacttaca ttccctcggt aacctactag tgaatgaatt acaccgatcc gttgagggtt 480
tactccgcattt ccgcggaaat atgtatactg accgtcn 517

<210> 1489
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1489

atgtgtatca tgcatcattacgg acctataaaaa ctcagcttgg accatagcag ctcacaatct 60
aggagtcctcg tctccttatct ctatggatat tcaacggttct agaagtgaaa atgataatgg 120
agcaattttg gagcatactc tcatctcaca caaaaactatg acattaatct atactcgctc 180
aaactggata tacgacgaat actctagcca atcanaattt gactactcta cacccaaattt 240
accctaaaaaa tggatcttgc catcactctg gtgactcatt tgccctccttc gcacagacca 300
agctctccca caatcctaaa tgacattgca aactacgatt aactcactct aaccccttgt 360
ctcaacatgc cttcgccgg ctagcgaggg cgaggatcac tcgtgcttcc gccataagaa 420
gaaagatgca tggagtcgtc acaacgttga tttgcgaaaa cgtcggaaaa ccgactgaac 480
tggtcaaatg aaattcttagc tcggagttgt ttacgctgag a 521

<210> 1490

<211> 257
<212> DNA
<213> Glycine max

<400> 1490

ctgagagttt gcagggttc tggcacttcc atttaaaccg tagcagccat tgatgacgac 60
ttctcttgca cttacaaaagg tttccggctt gtcctacagc tgcttagcctc ttcggtgaca 120
actctgcaat gggtatcatc tggatataga cccattagca cttagtgaga aataaacact 180
atcattatca tcattcaggaa aatagaatct atcacacata cccttcgagc ttcatctaaa 240
aatggagctg actccct 257

<210> 1491
<211> 191
<212> DNA
<213> Glycine max

<400> 1491

tccaagtata atttggattt cattttcaac attagcacat attttaacaa aatgaaaaga 60
gtaagagtgt gtgacactac atgttcggag caaaaacaat aagtgtcgga aacaagaaat 120
gaagagcgag tgggttcaa ttaccgatgc ttgtaaatga ataagaagac tcgggttcga 180
ggatgcctac c 191

<210> 1492
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1492

gagagttgtt catgagtcgt ctagaccga gatcctctga gtcacgctga cgcatgcattg 60
cttgagtcga gatcgcaac tcacaaacga tggttatggc tcttgcattt ggatgatatt 120
taccggaccg acatatgact caagtatccc tgccatgaat ttgagaatca atctgctgtt 180
ggtgagaggg gcatcaacat cggcgagttg atcacgccac aactttgtgt gaataacaata 240
gctatcaata gacaaaaat ttgcgaagtt tctttcaag atgagtagcc caaaaagcct 300
tgcgtcctg aaacatagat tcgagaccag cccactcccc ttgagccgtg tgcgtatga 360
gcaacatagc atgaacgaga tcggtgata tagtcccgta tatccattcg agcaccgcgg 420

catcgagacg ctccatagag catggctga gactntggat gcngcatacg tggctacctt 480
ctgtgccttc gtacgcctgt gctacgtang agagatg 517

<210> 1493
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1493

ctgctgtgac ccatgcatta cgAACCTTAA atactcagct agaatataca taacactttt 60
tgcccatcca tgaagtccctt cttattttatc atgcttatcat ggaacttctt ggtctttct 120
ttgtagaact tgccattctc gtaggcttct atgcggatct catctaactc actcagttgc 180
aaCTTTCTT CCTCACCAGC ttgatccata gagaagttgc aggtcttcat tgcccagtat 240
gctatgtgct caatcttac tggaagatga catgcctttt caaagacaac ccaataagga 300
gacattccta tgggtgcctt gttagcagtc ctatgtgccc aaagagcatc atctagcctg 360
gtactccaaat cttcctgct tggcttgaca atcttctctg aaattctctt gatcgtcctg 420
ttagaaaactt ctgcctcgac atttggttcg atgggtgtat ggtgtggata ccctgtggac 480
acccccatact tntaancaag gcatcatttgc atttgtgcaa aat 523

<210> 1494
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1494

ttaatctgca gttgtataac tntctgagtc ttcaagctaa gcGCCAGTCC gctgcgcctta 60
acgcctgagt aaaatttcac aacgcgtgct aagctcagcc tgctgcgcta agcgcccaat 120
caaattttca attttatatt tatgattttg gagaaaataa cctgtgctaa tctcttgtgg 180
tttgtcttat attctgcaaa tggcatctaa gaaaaggaag gtccttcta cacctaccca 240
ggccagatat gacagatcca ggTCATATC TCAAGAAGCT TGGGAGAGAT ATACAGATAT 300
tgtggtgctt aagaaaactac tatcggagag gaatgttagta gtttacttca ctgagttnga 360
cgagttcaag gaggaactcg agagaagaca ctacgatgag aagnataactg attntgtaca 420

caaaaatata gacatttgta tn

442

<210> 1495
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1495

ttaaaacgga agaaataaca ccgtattgaa cgatatgtat acgaaagcta agaaacacga 60
aaggaattaa aagtctcgga ttcgaaaact tacctgttga agaacgaaga acgaacgaag 120
aacgaatgaa gaacgacgaa caaccttcac ggattcgctc acagaaacat ctcggaaacg 180
ttacggaagc acctcggctt ggattttctt cacggaaaca attctttca cccaaaatag 240
ctgatatgca tagctaggcg gatctggat ccttaccctt tcgcctattt ataggataaa 300
ggtggaggag gttgtcgcc agctcgccc tgcgagctgc attgnttctc tataccaacc 360
ctgctccaaa tactctaaag gccaaagtcag atttcaaatt ttattgcttc ccatttgtaa 420
gtcaccactc tttcgaataa cgaaagacgg agcttcgag 460

<210> 1496
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1496

cggccttcc tgtgtcctga gctcggacct tgagtctgaa cggcgcatc ttctgtccat 60
tgaaagcgat gaacttttt tcatgggtg acacattgc tatccctggc ctgtaaatca 120
taaatattat attccgcagg catatgtggt cttaagacgt atatcggtc gatgcattgtc 180
ctctattcac atttacctg tcttaaatct cgcttgcctt cgtgagaatc tcagtttagtt 240
tgagagcgca agatactgtc gcataataac ggaataatta caatctgact gcattcaaatt 300
gcgataacata acgaaaggta atgtcattgt ggaacgctat ctgcgtcagc acaatgaacg 360
acctatagca tccgtAACAG ggcattctcc tattaaagta tctatgactg atgctggtcc 420
ccgctctaatt gcgaaaggac ttattctaAC gggactaaat ttctattgtc ccatcgtggg 480
gaancaaatt ccgggtgcta aagtccaaacg 510

taacattatac agtgaaggcc tgacacttat ggcatttcct cacatggatg caacaattgc 120
tctccatagt gagctagtaa tacccagttc tcagaatttt ctaggccatg gcatgtccat 180
tggtatgcgt tccaaaggat ccttatgca cctctactag aatttgctca gccccttag 240
catccataca ccgaagtagt accatgtcat gtttattctt gtataggata ttcccactca 300
ggaagaagtc ggtcgccaac cttcacaaca ttctttatc gttgtcagag gcctccctg 360
ggcattcctt gtct 374

<210> 1500
<211> 380
<212> DNA
<213> Glycine max

<400> 1500

ttaactcgga ggtccgattc aagcgcataa tatatcgaga cgctcgaaat taaccaacgg 60
aagctctcga gaaattcaaa tggtcataac tttaactcg gaggtccgat tcatgcgcatt 120
aatatatcga gacgctcgaa attgaacaac ggaagctctc gagaaattca aatggtcata 180
acttttcaca cggaggtctg attcaggcgc ataatatatc gagaccctct aaatttaaca 240
acggaagctc tcgagaaaata ccaatggta taactttca ctggatgtc cgattcaggc 300
gcatcataca ttgagacgct ccagattgaa caacggaaac tcttcagaaaa ttcagatgg 360
cataactttt cactcgatg 380

<210> 1501
<211> 366
<212> DNA
<213> Glycine max

<400> 1501

catggagtca agttaagta tggaagtaac catttgcaa atattggggc aaaagatgga 60
tcgtgttaca tcgttgcctc gtctactgcc aaacacattt agggccgtcg atgtccctgt 120
tacttccagt ttcaccttga cgaagatgtc atggaccatg ttgaaaatct aaattgattc 180
aaccatcatat cctgcgtaaa aattcgcaat acttcagctg tgcatcattc gcatacatcc 240
atgttgttca ttggttgcatt tgctcattgc attcttcct tataaaaaaaaaa aagaacttaa 300
tcattgttat aaaaaaaaaa catgatttac ggtgcctca tcgaacctgt gctagagcta 360

gagtaa

366

<210> 1502
<211> 164
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1502

gcgtctgtat atgtgatgcg cctgaatcg acatccgagt gaaaagttat gaccatttg 60
atttctcgag agcttcgat gtttaattnt gagcgtctt atataatata agcctgaatc 120
tgacatcaagt gtgaaaactt atgaccatan taacttctgg agag 164

<210> 1503
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1503

gtggtaatca gagcacaaga gcttcaagta ggtgctcctt anacccat taattgttt 60
tctttacatt ctcttccatt gttgttctt cattttctc catgtatctc ctcacatgtc 120
ttgttctaaa tgggttaac atgattctt agagttcca ccgattaaac ttgctataga 180
agtttagattt gatttctat ggttcaaatt tcttgttctt gttcttgaac catgaattgt 240
gtttagttt ggttccttg agttttgtct tggatatttt tggctgaa acctaaacca 300
taaaattctt aaaaaatataa taaatcttggaa gaaaacctca taaatcttggaa 360
cacctattgt agtttgtca tagaagtcat gtctagtcat g 401

<210> 1504
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1504

actaagctng tttattctga tatgaagcaa cgtattaaa atcatggatt agatagtaac 60
tgctaacaaa aagataaacac cactaacaga tcattactag agaataggat caaaactgct 120
ttatcctatc agtcaacatg acttttattt ttcctaaaaa atagcaaaag aatcttatct 180

actatagttt gttagacagt ttcaacagtc acatcttaac aattcaaaac aaaattgtga 240
taaactcatc ccttacatct aagtgactcc catgtgttagt ccaacagtag tagtggcatc 300
tctagttgtt tcttaagttt cctcaaactt ttgcgttggt tgttctgcta nggtttcaa 360
gcattaaaga gtagcagaag ggatttgagc ctccatttct ctagtctat ngcgagggac 420
gttctctctc cacata 436

<210> 1505
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1505

taaaggatg ccccacatta ttccacgac acanatgcan aaatgatgat ttgtgaaatt 60
tatgcaaaac tggcatgca tgcacctatg tggacgctca agtgtcaaaa ttttatggtc 120
atgtgatgct agggctcang attcattcc tctattttaa atcaacccaa tgttccaaa 180
atatgttctt ttattcaatt gtgcattcat ccgagt 216

<210> 1506
<211> 452
<212> DNA
<213> Glycine max

<400> 1506

tcaagaaaaa gatggcctca gcaaattcct tattccaga atgaaattct atcaatagac 60
ctccaatctt taatggagag gttaccact actggaaaac ccgaatgcaa attttatcg 120
aggcaataga tctaaatatc tggaaagcca ttgaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtatccat caagtgaaag cataaccata gaaaaaccta 240
gagatagatg gtctgaagag gatagaaaac gagtacaata caacctataa gccaaaaaca 300
taataacatc tgccctagga atggatgaat attcagagt ttcaaattgc aagagtgcta 360
aggaaatgtg ggacactctt cgattaacac atgaaggaac tacagatgtt aaaagatcta 420
ggataaatgc actaactcat gagtatgaat ta 452

<210> 1507

<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1507

tgattctgtt attttaagag agaaatttct ttttgtat gcagaccagc agaatcccaa 60
gatgtcgaag aacttgaaaa gagattggct tctttctaa gaatttaat ctctgctaca 120
gcctgtaccc atatatatgt ttcttaatgt acaaattcatt atatatatca atggagagat 180
tgtactattt gcacctctt taattacaa ttttatgctg tgatgtgtt ttggatataa 240
agaacttagta aaaatagttn tagactggaa tatatattac tatcccacac atttattata 300
tatactatat agcaatggag aga 323

<210> 1508
<211> 262
<212> DNA
<213> Glycine max

<400> 1508

catcaccta ttatcaacag tgtatgtagg gtttcttcg acccaggaca atgtgggttc 60
tgtgggttc cagcgacgac aatatgggtt ttccggact gttaggggtt ctgtgggttc 120
caaagaggac aacgtggata ctccggcagt gttaggggtt ctgtggctc aactgacgac 180
aatgtgggtg tcgagggagc ggcttccgac agatttcatg cgggaggata tagaggagcg 240
atttcatgca ggaggatgac aa 262

<210> 1509
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1509

cagcattcaa tgtcgagcat ctctatatgt cacgggactt gatcagacat ccgagttata 60
agttattgtc gttcgattt gctcaaagca tcaacactca attatgagcg tctagatatg 120
tgacaggact caatcagaca tcctagtaac aagttcattt cgattcgaat tggncacacag 180
cttcatcatc tcattttaa catcgtaata taatacagga ctaaatcaa catcctagta 240

gaaagttata tgctgtanga ctatgctcag agcatcgta attcgattac gagcgtatca 300
atatatgaca gggactcact aatacatccg actaaataga tatttcgtt tgcgtggg 360
tgagcttctc attaaatatc agcatctcta tgtactgtan cattcgacat cgattaaagc 420
tttgcgtga tttgtacagc g 441

<210> 1510
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1510

ctaagttat ccaggggaga cggaccatct caagtgcng aaagaatcaa tgacaatgct 60
tacaaagttg agctgcccgg tgagtataat gttagttcca cttcaatgt ctctgattta 120
tctcttttg atgcagatgg agaatccgat ttgaggacaa atccttctca agagggagag 180
aatgatgagg acatgaccaa gagcaaggc aaggatccac ttgaaggact tgaggacct 240
atgacaaggg ctagagcaag gaaagccaaat gaagctttc aacaagtgcgt gtccataacta 300
tttgaataca agcccaagtt tcaaggagaa aag 333

<210> 1511
<211> 289
<212> DNA
<213> Glycine max

<400> 1511
tcagccccct taggacttc tctctctctc tctcgaaaata gatgaggaaaa attagttccg 60
tgaagaaaat tcaagccgag gcgcgttccgt aacatttccg taacgtttcc gtgagtaatt 120
actcgaagat cctcgaccgt tcttcaagat tcacgtttt ttcttcgttt tcttcagtct 180
tcaacgggta agtacctcaa accaagcttt tcatttcatt ctatgtaccc cgggtggtcc 240
acattgtgtt tcacgttattt atattctcgat tatcatttac tttttataac 289

<210> 1512
<211> 175
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1512

tattcanatc attctcatac attcatttca tgcanaaaca tccactgcat atcattttca 60
atcaattcac tattcaaaca cgcttatgt acaagcaaac aactcanagt gcttgaatt 120
aaataactga aattaaaata actgaaatat gacaacgaaa tcagctggaa atata 175

<210> 1513

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1513

gctaactcat ccaacatggc aagttcaaca tgcttcaac ttatttcttc acaaataacc 60
atcatgaagc agaaaacctag caaaaactacc catcatatct cccaaaaccc catacccacg 120
aaaatcaaga gagaaagaag tccacccaaa cctgaaattt ctaggtccca cacgttagaga 180
tgcgcttcac gactccgaaa atgccctcct ttgcgattt ggagcagaaa ttagtgccaa 240
aggttggagc tttgttggag cttcaatggt ggaggaagaa gaaggagaat agcaacgtga 300
gggagaggggagagacttct gaaaatgtgg ggctgagtga ggagagagag agttgctttt 360
tagttctaaa aaggctnttt cctctttat tattattta tttaagctat gccacatg 418

<210> 1514

<211> 441

<212> DNA

<213> Glycine max

<400> 1514

gtggtaagca acgcttatgt cgagtctccc cagtgcacc ccgctcatct agtgttgcatt 60
tgacggtagc ccatgtaatg ttggggcatg ggtatgagcc cagaaggggt ttaggtcgga 120
gcgacaatga tgtggcgagc ttggtgagtt ccaaagagaa ccgtggaagg ttccggcttag 180
gatataagcc tacacgcgtc aacgtaagga gaagtgcctt agaaagaagg ggccgaagca 240
tgggccaaca gcaaggaccg caagtggaaag agactccctt atatcacatc aatgaaagct 300
tcatcagcac aggctggatg cgtgaaggcc ggtatgcctt gatcaacatc gatcaacatc 360
aagagcaatc aaactgggtg cggccatgcc ctctgacgt cgggttggaa aactagaaaa 420
ttatcgaaca acccgaaatt t 441

<210> 1515
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1515

ctcagttga cataaaagtta agacaaagag ganatcttgt tacctaattt tacacttatta 60
gagatctttt gtagatgttg atattctac aacacaatga gttggagaaa cttcactcac 120
ttgataattt tcacacatat atgaaaaat tgaactatcc tcaacaataa aagtgaaaaa 180
gagaaagata actatggaga gtatgttaca gtaaaatgaa taaattactt gggctaatag 240
gaatgtatcta aaaaactgggt cattatctgt tccaattaag ttaactgtga aaatgttgct 300
aattntgaaa gaaaaatgag caagcaaaca aaaagaaaaga agaaaaatg cttactgac 360
ctctgaaaag cttt 374

<210> 1516
<211> 181
<212> DNA
<213> Glycine max

<400> 1516

gctgaatatc gcacaaacca acaaataacg tatggagctg gaacgtgatc ttccctccctc 60
tcctgcaaac agatgcctt ttccagcactt taaagagaac agtagggaca acatgaacaa 120
ggcataatac gacatcttag gaatcatcg ggatagtaat caaagagggc cggttatcct 180
c 181

<210> 1517
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1517

caataacctca gttttctca ccaagtaaaa atggaccatt ntaaggtcca acgccttata 60
aggaccacct tccaaataaa aagaatcggt tgattcaccc ttttgaaga actacgtagg 120
tctgatttcc tcttcgatgg aggtacgta ggagcaaggg ccccgctttt gtcgacactca 180

aaaataaaaa agaaataaaa gtttagatac gcaatttcac acaattctaa tttaaggctg 240
ttgtcccttg ggacaaatgt gagaggtgct aataccttcc tcatacgtaa atacaactcc 300
cgaatctaga atattcttca tg 322

<210> 1518
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1518

atgtctcatg tataggtatac aattcaatcg atataaaana tctttgttaa ccacagtaaa 60
caatttagta ctggtcatat attaaaaatt gaggttgtaa tcttaaccat caattttat 120
tataatctaa tgattaanat caattcttct catttttagat ntattctcat ttgaaacatc 180
tccttatatat gttatgtgt 199

<210> 1519
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1519

tatggccta ttttagaagt tagaagagat cctacgaagt tgcaatagac tttaatcta 60
tcgggctctg atggattga ctctatggag ggtcaaagat tttcgggagg tttcattttt 120
gcttgaaaaa agaataatgt taaccttgg a gttgctcag acgcatttc aattcttgc 180
tgttaagatt atcttgcaag gaggtggat tttgaggttt actcctctt acactagtcc 240
taatgagggaa aacattctct aatatggagt gcgcattttt atatacgat ttccatgaat 300
gatagttggaa tgattggagg tgacttcaat gatatagtgt gtaatgctaa gaagaaagga 360
ggagcattag tggtttttac gaaatgtcag atatttagag acagaatcaa cagagccaag 420
cttattgacc tanactct 438

<210> 1520
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1520

gcttcttgaa naacttcctt gagaagctng agcttatcta catcacaccc ctctcataac 60
taagctcacc tccttgagaa gtttccttaa gaagattcct aaagaagcta gagcttagct 120
acacataacct ttctaatagc taagctcacc tccttgagat gagaagctag aacttagcta 180
cacacccct ataatagcta agtcacccn catgacaaaa accatgataa tacaaaaaaaa 240
ggtccttaact acaaagacta ctcataatgc cccgaaatac aaggctaana ccctatacta 300

<210> 1521
<211> 225
<212> DNA
<213> Glycine max

<400> 1521

aggaaaaagg agaaggaaaa tttccaatcc aagaggaagc caaaaaaggg agagaaggaa 60
aatttccaat caaaggaaaa aagagaggaa aggaaattcc caatcacaga gtgtgagaaa 120
gtaaaaaaaaagg aagagagaaaa aggaaagaga gtcctgtatc aacgatcgaa agaaaacaga 180
agatatatgc agaaaggctt ttggaccaca ccatatctga acata 225

<210> 1522
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1522

tgcttctata gatggtaggg accaagcaag gaaatattca catccttcaa gggccacta 60
tgacaggatc aactattca caatatgaga gccatgcgtc caatggctca tccaatgata 120
attctctatg gcatctgtgt ctggcccat aagtggaaac ataataaaag ttttgagcaa 180
gcgaggctt cttggaaaac ataagggttga acctttcag ttttgtgagc attatgtcta 240
agggaagtaa cataggacaa aatttctaaa ggttggcac actacaaagg gcattttgga 300
ctatgntcca tttgactact gggggactt tgagagttcc atcactgaga gggaaaggt 360
atttcctctn catcatcaat gnatactcca caatgacatg ggtattcatg atgaagtata 420
aatctgaagc ttaccaattt t 441

<210> 1523
<211> 389
<212> DNA
<213> Glycine max

<400> 1523

tgacattgcg gggtgattgt agccttagtt tcactgtagt tattagtcaa ttcaattatg 60
agagagaaaat cccatagaga aacgtccgat tgatTTTT tcgcttatt ttactaaaag 120
ggtattttttt gattattata ttattatTTT accttttt tgatttccaa cgtggttact 180
gcacgaccga gcggtcagat gtcattgtaa ctgacattaa cgatattgc aaatcaaATG 240
atcggtgaag attagttta ttttttattt acgcgagaaa ttacttaat aaatgactgt 300
ggcacgttga attgtggtcc ggcaagttta tgattctaga atatatgtac acaagacaaa 360
tggtgaccag cacgggtaca tagaatgaa 389

<210> 1524
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1524

aaatttacaa tatatcatgc atcaaatcta tgctttata aattttcctg cttcatctca 60
taagaaaata ttcatgttat attagataaa ataacatatt caataaatta gttaagtctc 120
atgttcattc tcctaagtta agcgtaaattt cttctttgtt tttttggtt atattaaaaa 180
aaattgctga caaaaaaaagt ataaattctc ctacttgatt caataaaaaa tgttcatgcc 240
aagaatttga tttaaaaattt tatttttagt gttaaaaata taaaattgta ataaaaaaagt 300
tctttaaatg ccaaaactat tcaaataattt aatgtaaagc ttttgccca agtttgtaag 360
ataatggaac attntacaat anatcatgta ttatatggtt ttttttagtt aca 413

<210> 1525
<211> 219
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1525

acccaccatc cactgttgcc cacctccatc tgagtcacg tactcccacg tagcccatat 60
ccttggttct ctcaacaccg ggtccacatc aatcctccca agcttccaca acatccaagc 120
anaacaacat tcataccgca caagctatca cagccaagca aaacagagca tatgcngaaa 180
aactctgcan aacaccaacc aaatcacaac tnttctcac 219

<210> 1526
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1526

caataatcat atttccttat gtttccaga gaattaatn tgaatacaag gctcattaa 60
tttgatgttc tcctataatt ntatttccc gcttcatacg cttgtagtca ttgttaaat 120
ggaattatga gaaaattaag tgcaacatcc aactagaaca taatgcatgc ctcccatcat 180
catgttgta tgaaagcaac aaatgaagtg gcaaaaacaa taatgttcca atccttctg 240
ttaacagtaa atatatgaat acattcacat ccnctacaaa tgattttatc aagaattccc 300
ggttggacta ctgagacagc atgctcatta aacttctcat caagcctgta ctntgtcact 360
tgcaatatga gaaacacggtt cagagtcaat cttcttcttt at 402

<210> 1527
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1527

gggtgttaca tgataaaaaa atgtattgtg actcattttgc cattatatac tatntatgtat 60
aacttttatt ggttatgggt caaagatcat gtgtgtctct cgatcaactc gatcaaataat 120
taatcttggtt tatgacatgt gactgtaatt gaaccaaaaa aattaaataa aaatttatttc 180
actaaataaa ttgttctcca aatataaaca agtgtatgcct tacaccttgc gtcaatcata 240
tgaattaaga tataatgttt atgataacttc tagcaatgta ccaaatgttc ctttattctc 300
ttgtcctttg agctattctt aaattcttn taattatgta ttcatattaa ttntaaactt 360
tttcatcttt tgatataaa tttgaaatct atactgatta atggactata tatatatata 420

tatataaaaa tataantttt acttc

445

<210> 1528
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1528

taagacaact tggtaatc aattacaatg aggctgtat ctataaaaaac aaagagttt 60
tgccttgaa ttaatttttc taacttagaa aattttctca aaataaacca tgatgtgca 120
tgatgaaata cagatatcaa atgtactaag atgcaccaac caagataaca accaatacaa 180
atgccactca agaaagttgg gcatgtaaaa gccaacccaa acttcttcag aacttcttcg 240
agctttcct ttagcttcaa gcttagcct ttggtagtt caccatgttgc tcattgttc 300
atggtcggca agtgtaccgg atcgacaaag tagtataaaa cagtaagaac cgagtatcga 360
actctcgng aacttgtgtt atctggcaag ctat 394

<210> 1529
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1529

tgtgtAACCC accatTTTT catagtatat tactgttnat gtgtctacca tcacgattat 60
catctccCTT tccatcattg ggagtGCCAC ttgggCTGCC agatccCTCC acCTTGGGT 120
gtattCTTTG aaagattcgt gcccTTTT gcacatattt tgttagtgca tcgtagaatg 180
gactcgagaa ccattaggTC cttccaagaa tgcactcggg aaggTTccAA gtttagtgac 240
caagtatgag ctacccccagt aagactttct tagaagaaat gtatcaacaa ttccTcatct 300
tttgggtatg cccccatctt ccgacaatac atcttagat ggttcttggg gcaagtagtc 360
cctttgtact tgtcaaagTC cagcgcCTTg aactcgggaa tgaccacgtt cgggtactat 420
gaacaactct tctatgtcag taaaggcata atct 454

<210> 1530
<211> 194

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1530

actaactgac ganaagagaa taacatactt ttccctggat aattcaagag tcgatatgaa 60
agcatcttan aattcanatt ataaccagaa atgaatgtga tttacaata tacacaacca 120
attcttgntg aaacagaatg cttaatagaa aatgaatatt gtctcacacgg agtccatctt 180
aatcatacta tgag 194

<210> 1531
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1531

agcagcaaga ggtcttgcaa agattcatgc ttagtacagt gcagccaaag tgcctcacgg 60
gaatgtgaaa tcctccaacg tgcttctaga caagaacggt gttgcattca tctccgattn 120
tgggttatca ctcctattaa acccggttca cgccattgcc cgattggag ggtacaggc 180
cccggagcaa gaacagaaca agaggctatc tcagcaggct gatgtgtata gtttcggagt 240
attgttgtta gaagttctca caggaagagc tccttcatcg cagtaccctt caccggctcg 300
tccccgaatg gaggttagagc cggaacaggc tgcgggtggac cttcccaaatt ggttcgctc 360
ggtgtgaga gaagagtgga ctgcagaggt ttttgatc 398

<210> 1532
<211> 154
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1532

atggaaagaa gacaatntat acacggcacc gtaggtgttt aanacattat caccctatc 60
gatgattgaa gaaagcattt aatggtagcc aagagactaa agaaccggca gaaccgttag 120
ctccccatga agtgtatgtat cgggtgaaag acat 154

<210> 1533

<211> 394
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1533

 ngaagagaga caacaatggt ggtgaagaaa atgaataaga tacgtggagg aagaaagaga 60
 gagctgtgct agaagttct agagaaagag agagaagatt tggctttaa aatggtttt 120
 cttttcttt tcattttctt tttaaaagca attccacatg tcattttta aattggagca 180
 aaaaggccc acctttacctt ttgacttgac cacatactca gctataaaag aaaaaaaaaa 240
 tcggaccttt ttggatgctg aaatcctgct tcggtttgcg tgccgtctct cccgttccaa 300
 ttcttcgcgt atgtttgcac ccgtcgngc ccgtttcaa agataggaaa tatatatata 360
 tatatcataa cgcttagaat gagaccctga gcgt 394

 <210> 1534
 <211> 331
 <212> DNA
 <213> Glycine max

 <400> 1534

 tggccaaatg caacacaatt tgtttcctt taatccatat ctacttatga tcaatcataa 60
 gagcatttgt tagggacctc atccaatgaa agtattcaaa ctttcggatt gatgaaacga 120
 gctttcttga ctttgtatgg aaggcataca aatcctacaa tggcaagga tgaggtgctt 180
 atgtggtcaa agagagactc atgctcctaa aaaaaatcat caatacgtgg agtgtggaca 240
 aagttggag tcatcaaaca caagtcgaca agatgagggc caatataact tctttggatg 300
 ttggaagaat ctcatatgag aaggcgtgtg a 331

 <210> 1535
 <211> 338
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1535

 tgttcgacaca tcgtccgcgt ctatgatatac cacttgacat ggtttgaact agaggagacc 60
 ttcaatcccta aaacgcaacg tggcggacaa aagtggtag ttaacttgaa tgaccattat 120

tgtcaatgcg gaaagtattc tgctattcac tatccatgtc cacacattat tgctgcttgt 180
ggttacgtga gcatgaatta cttccaaatat gtagatgtt tttacacaaa tgagcacatc 240
ttataagctt atttcgcgca atggtggcct cttnngaatg aagcggtat tcctccttt 300
gatgatccat ggacacttat ccctgatcca agtataat 338

<210> 1536
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1536

aaaatttaca atatatcatg catcaaattct atgctttat aaatttcct gcttcatctc 60
ataagaaaat attcatgtta tattagataa aataacatata tcaataaaatt agttaagtct 120
catgttcatt ctccctaagtt aagcgtaaat tcttcttgc ttttttggt tatattaaaa 180
aaaattgctg acaaaaaaaaag tataaattct cctacttgat tcaataaaaa atgttcatgc 240
caagaatttg attaaaaat ttatTTTta ggttaaaaat ataaaactgt aataaaaaaag 300
ttntttaaat gccaaaacta ttcaaataat taat 334

<210> 1537
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1537

tttcaacatt tgagatctca natggaatat ganaatggag ttgttagtgg gagaggaagc 60
angtggaggc ggtggcgggc gtgggtgtgg atgcgttcag aaatggaaa ttgggtgtga 120
gtgtgtgaag gatgagagag ctgtgccgag agagagattg ggagagcatg caaaaattga 180
ggaaattgaa agcgtaatg aaaaagggttt tcaaagacaa ttttccaccg tcctgaaaa 240
cttactttta aagacgattt ttgaaaatca tctttanaa ctttcttca nagacaattt 300
ttgcaaaaac ggcttacaaa aattgaactt aatttcaaaa atgtcactgc ttatnTTta 360
cattcgattt tttgaanact gacttggatt aatgatgtta aacatgattt ttactagtga 420
gggagcactt tcatgacaa 439

<210> 1538
 <211> 183
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1538

 aatgaagagg gtgagaatga aggagaaaacc catgctgcga ctatcggtcc tacatggcca 60
 agtttccac caatccaaca atgtcattac tcagccaata acaaccattc tccttatcca 120
 ccaccaggnt atccacaaag tccatcccta aatcaacaac aaaaccacc taccacacaa 180
 cca 183

 <210> 1539
 <211> 306
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1539

 gagagggnggg agcacganna tgaaggaata aaagagggag agaagtggaa ctttgaagta 60
 tgtctcagaa gactctcatt catcaaagtt acaacaagtg ttacacatgc ttctatttat 120
 agacttaggtt gtttccttga gaagctttct tgagaaaatg atgcatttg agtacagagg 180
 agaaaactct tagcggatga tggatcgctt agcactgcta tggccgaaag gaattgggct 240
 tagctggcat gagttcgct ttgctcaatg aaacccaatt ctaaccgcat gaaaaatgagc 300
 tttagcc 306

 <210> 1540
 <211> 104
 <212> DNA
 <213> Glycine max

 <400> 1540

 accattgaag gaccccattg aagctcaacg atacagcctc catagaagcc ccacaagcaa 60
 gcttacatca agtggtatca gaggcacaaga gcttcttgc tcga 104

 <210> 1541
 <211> 345
 <212> DNA

<213> Glycine max

<400> 1541

gagtagtgta ccaactggta aactaacttt ccaaattttt gccttcgcag gaaatggccc 60
cgaggaagct tgcctcaaag aggtccagga aggacaaggc agccgaagga actagttccg 120
ctccggagta tgacagtcac cgctttagga gcgcgttaca ccagcagcgc ttgcaggcca 180
tcaaggatg gtcgtttctc cgggagcgc acgtccagct cagggacgac gagtatactg 240
atttccagga ggaaatagct ctacggagtt taaaagact ggctaagaat ttggtaaaac 300
ataagcactt agacaatgaa ggaaagctgg agttgctgac atgat 345

<210> 1542

<211> 233

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1542

attcaatttg ggaaaattt gatgagggaa agtgtgattt cgaaaatttg cactttatgc 60
agaattttgc tgtcaaata gtcgcgcaga attatggctt tgtgcagaaa gtgttgtgt 120
tttgcggctt gtggaaagag tagtacagat tggttctgg atgtntcta gcagatccc 180
acggtcataa tgttagatnta tgtgctagag acttcccagt aaaatttga gtc 233

<210> 1543

<211> 304

<212> DNA

<213> Glycine max

<400> 1543

atctaggta ttatatggat ggagctcaac cttgtctctc acttacatat taagttcact 60
aaggaaccta gcaatacttg ttctttctc cttcctaagt ccagctctca aaatgagtag 120
ttccatttgt tgcctatact cttcaacact cacactccct tgcgttaagcc tttggagctt 180
gtccataagc tccctttcag agtaggaggg gatgtgcctc ttcctaaggg cactattcaa 240
gacaatccta tacctactag aggatcccc tgaatccttc tttccctagt gatgcaatcc 300
tacc 304

<210> 1544
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1544

ctcagcttag gtttgtgctg atgcatatat catggatcat ctaatatgtt tcactgtact 60
tggagngaga ctgtataata tgccagaata aaacgttgc ttgaatctta acccaatgt 120
atttactttt ctcactgcac atcaaaaactg gtatctatat ttggcatgga gtatcttcac 180
ttaccataaa taagcatttt ttcattaata gcttgaagct ggccaatcca aattgaagtc 240
gagattgcaa gatgaagaac aagctaaagc agcattgtat ggaagaattc agcgactaac 300
caaattaatc ttagtttcta caaagaatgt aatgtcatca agca 344

<210> 1545
<211> 260
<212> DNA
<213> Glycine max

<400> 1545

gatgatgaca acagggacat gcagatatcc tcatacgat ggtccctaac cctagctatg 60
gtggtaaaat ggttaattat ataataaact cccctcacct atcgtgagct accctgcgg 120
ttcctcgtca catcaattga agattccgtt ttcttctctg ctcttcggat ccacgcaagc 180
ctctaccatg ccaaaacgaa ggagacttaa tatggatttt cataaacaaca gctaaccaca 240
atgctctggg cagacaccca 260

<210> 1546
<211> 123
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1546

caatcatctn ntaatcatct atctttcaat ctttnttcat catcatcctt caacaatctt 60
tcaatatctt cttdcatctc tntcaacact ttcaacagaa cttcttactc atttatcttc 120
gtc 123

<210> 1547
<211> 166
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1547

atgaagcaac aatgatgtaa gctccattgg agcttgatgc ccttagatct tcttcataa 60
tggattcctt tgcttcttgg aagatgaatg gcagcgaaat ggagaaaagga agagagagag 120
gagacgccac ttcaaggaga agatgagtct agaagaagct caccac 166

<210> 1548
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1548

tcctcggnnc catttcctgc gaaggcaaac attggagag ttagtttac caagaaatgc 60
tattcttaaa acgaaaatgg catacgacct ccccaataa cacaacatc aatgtaaatt 120
tagagcgaac tcatgcgcac acttccttgc gaacattcac tcgcaccaga tattcttcta 180
actaagaaaa atgcacccag gcacaatcaa ggcacccatcg ttaccttagat cacttatatg 240
tacttccaag gtgtatgc tacctacatc acatgcactt ccttgctaa atttacatac 300
atgcataactc aaagcatttt ggctacaaa aattgcatac gtgcacattc tggatattct 360
aataacctata catatacaaa ctgtgatg aatctggct acctacacaa taaggtgcta 420
catttcat 428

<210> 1549
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1549

tcttagtctc acctgatgaa ttcatggcta cttcatgcac tcctctaatt acaatagcat 60
cacttctgac actaaattgc tggagtttgc aagccatctt ctcaattaaa tttctggctt 120
cagcaggggt catgtctcca agggctccac cactggcagc atctatcata cctctttca 180

tgttgctaa tccttcataa aaatatttgg aagaagctg ctctgaaatc tggggtaag 240
ggaaactagc acataatttc ttatctct cccagtattc atacaggctc tctccacaga 300
gttgtcta atacctganata tccttctga tggcggtgg cctgaaagca gggaaaaaaa 360
tatctaagaa tactcttttgg aggccattcc agctcgatgat 400

<210> 1550
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1550

tgtgtcacga ttcaactgtga cagtcaaagt gccattcact tagcaaatca ccaaattgtac 60
catgagagga caaaggcacat agatgtaaaa ctacacttca tcagagatgt gattaatct 120
aagaaggtga aggtggaaaa ggttcaaca gaagaaaacc cagctgatat gttcacaaag 180
tccctctcta gtgtcaagtt caagcactgt ctgaacttga tcaatttgcg agatgcctaa 240
agctgattgg tagaagtgcg gccctgaatc acaagataga cactngctaa ttggagtca 300
aggtggagat ttgtgggttg tgactcanaa tcacaattgg cacaagtga 349

<210> 1551
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1551

ntactgaaga aagcttaggg tgactcacct tgcatttagta ctatgccat ggccgtgccg 60
gaggcgccg tttcgagtgt gaatggacgg gaaaaatctg gcagagctag cactggtgcc 120
tgtgtcatgg cacgcttaag agagtcaaacc gcaagtttag aatcctcgcc ccaatggaaa 180
ttatccttct ggaggagtga agttaacagc gccgcaaagg cagcataatc acggatgaac 240
ttgcggtaga agtccgttaa accaaaaaaa ccacgcacag attgggttg catgggtgt 300
ggccaattca ccatacgatcc tatct 325

<210> 1552
<211> 362
<212> DNA

<213> Glycine max

<400> 1552

cttatcatct gaaaacgtga aacatgctat tgtatgttct tcacgttata tgcata
60
atgctcgact agttggttt ctggcgacat tcaatgatat cgaagtaata ttacaa
120
ctctcctgtt gcttgcatat aatgtgtgct gctgccctt gtgaatacaa caatta
180
cctttgtcca atatttctct taggtaatt agggattatg catgtgcgtt atccaa
240
atactaaact attcagactt tcatatttg ctaagataat taatgaatct taacttctgc
300
tgagaatcat gagataatcc atgggtgata ttacatacac atgcataaca aatcat
360
at
362

<210> 1553

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1553

tatcccacaa gactntcagt gttgtctcct ttaacacatt gtacttgatc tcgagagcaa
60
gagttaatca aattgtgttc acagcttcc tttgtatgg agcatattct ctttcaacta
120
tagtagctga ctttcatct tctaaagcca aatcaatacc ttgctgcact aaaaggctt
180
gaatggtaga ctgccaaatc ataaaatttgc tttcccatc aaacaatggg atttcaa
240
tttgtgtgtt tcctatcata gcttgatgc cacttggaa gaaaactcct ctacacac
300
caaaatttacc cacacgtcca aggaatctt gatggaaaggg atcctaanaa gtcctctata
360
gaattttctt tttggctctg gatata
420
tggttntttt cccctgaatt ntggtagata ataattttaa tctcta
466

<210> 1554

<211> 215

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1554

tcctctaattt actatggcat catttntggc gctaaactgc tgggagttgg aggccatctt
60

ctcaattaaa tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc 120
atctatcata cttctctgca tattactgag tccttcataa aaatattgga gaagaaaactg 180
ttctgaaatc tgatggtggc ggcaactggc acata 215

<210> 1555
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1555

ctcagctta catatggag ggcgggcttc ttactttctt gtcccaacgc gagctntgac 60
cactgttctt ccttcccgt atgcttctt tcatgtccgc ctgagtgccc ttatagccta 120
aaccatactt cccacgattt ccttgggtat ttatcaggct agttatgccg ccgttgttt 180
tgcctaaacc catcccggt tcataaccgt tccccaaacat aactcgggcc atcattaccg 240
ctgcatcgga cagacaaggc tgcccaaaga gggagtcac ggagggaaatg ctgaccacct 300
canaagactg gaaagcagtt tctaacgatt ctctgcggc ttccacataa ggcatggagg 360
atggcagct taccaagata tc 382

<210> 1556
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1556

actaaggcctt taagttatgt ggtggagtgt acaatgtcac acatgaatct tgatatatct 60
ttatccagag aaatctgtaa ctattggatt gtctcatatc tgacccaatc ctcacaaata 120
ttntacccaa actatgttac tgccgactaa aatcactaaa cttagtcata gactatgttag 180
caaaaatagta ccaaagactt cacacatcat attaacatat ttcattctt tttatattt 240
tatttcttaga aaataaaaaaaaa taatgggtgt gtgtgaaat atatgtttctt attttatattt 300
aaaaaaaaatgt aaaataagat ttcaattttt atgcttgata taattcttt tacaatgtaa 360
gcaaattcaga aatattaata tgactactta cataattcc aatggtattc atataaataa 420
ttctggttat gtgactntaa tgttaagtaa ttaatttatt ttctttgcat agat 474

<210> 1557
<211> 209
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1557

tctttctnta cccactcctc acgttgggtt attaggaaan aacaccataa ctaaacgcgc 60
cacaaggcat ccctatcgca ccagatccaa atctagaatg atgggtgatc aagaggagac 120
acaggaacag atgacagccg acatgtcggc tctgatagaa caaatggcct ccatgatgga 180
ggccatgtta ngaatgatgc agctcatgg 209

<210> 1558
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1558

ctttctctct cctcaactcag ccccacanaa attntagaca gctctccctc tctctcacgc 60
agccttcttc ttctttctc ccatccacca ttgaaacccc aacaaagctc caacctttgg 120
tactcatttc tgctccaaat cgtgaaagga gagcatttc ggagtctgtga agtgcgtggc 180
tacgagtgaa acttcgaaaa tccaggttg ggtggacttc tttctcttt aaatttcgtg 240
ggtatgggt tttggagat atgatgggtg gtntgttag ttntctgctg tgtgatgatt 300
atttgtgaag gaacttggaa aaagcttggaa aatttgcctt tggtgggtg agttagacat 360
acccattc 368

<210> 1559
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1559

ctcattccct gngattaaaa ctacatactg tttaaccact gggacaccct tctgtttatg 60
gctccaaccg ataatgtctg cccagtttc aaccaactga tcctgaacgt agatgaagaa 120
gctctggtca ccaggacggc taatattcgg gtcaagctgg caaaaagtgtaa accttagcaa 180

gtaggtgaag cctgaatcaa tgggaagttg ccatgtgagg ttgaacccca tgttgaagg 240
accattactt cccatattcc ttacggatcg gtacactgtg tctggcag tgtagttagg 300
agtcttcttt gtgaatctca gcttaattcc agtggcaata tctagagata gtacactttg 360
agtcgttaca ta 372

<210> 1560
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1560

gctacgctct taactgacac gctctaata ttcgaagagt atccttgtgg aacttcacc 60
cgacgaagac actgacaaan acttatatta ttcttcttg acaaagtatg gcaggatagg 120
gacaaagtaa atttcttccc atcagacctt ggatgcaact gtgatgtat acccatatca 180
gctagatctt gacgggtatt caagccatcc ttcgtcttgc cttgaatgtt aaggagcgtc 240
ccaatcacac tgtcacaaac atgtttcttc acatgcataa catcaatac 289

<210> 1561
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1561

ctcagctgag ctgcactat tgtccagag ccactcggtc cttgttcctg ctccattctt 60
cctttcgggc ccttttggtt tcccactcta acgcttcaac cgtggtcatg ttgatatctt 120
tcagctcatac acactcttc ttgaccttag tgactgccac cttcagcttc tcttcacca 180
ctcttgcctt tttgagctct actttcaaag cttcacttc ttcactttcc tcaaaaattt 240
caacccctt cccacttaga ctttatagct ttgggagcca agttatccct tgcgttctag 300
acttcaacca ctgtgatag ccgctgatga tgtcattgct acttccctta agtccttat 360
cttttcttcc cactatattc cacgctgtat nggatttcta aaagatc 407

<210> 1562
<211> 430

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1562

acccttgtct gttacttatt tcataatatta gaaaaaatta tttgcaattt ttgtgtgaga 60
atcttgcaag aaacattaag atttatatat ataataattc atatctaaag tattatcctt 120
aattcttatt ttaaagaaaat tattatgaat catttgaaaa ttatTCGCT attttgggt 180
cactggtgtg atctcatttg taacatgtaa tgaagttcaa ctcttaagca tggtgtcacg 240
gtttcattat gtgtatgaaa aaatataat tattagaaaa gggcaatttc ctttcactt 300
tagtgtgtat gaaaaaatat atattattag aaaaggtaa tttcctttat attctagtga 360
ggtttgtctt aattctgata tactagtata aactagctgt acccatanna tgtaatgaag 420
tttattatta 430

<210> 1563
<211> 171
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1563

tgaaatatat tttcggcaa gaactaatat tatattacgc actagttaaa attagttgtt 60
ttttatagaa gatacgcttccacaagatg attttaactt atatataaat tcattttattt 120
ttatggata aatataatcta tggagaagnt tatctataat aaattttaat t 171

<210> 1564
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1564

tagttaccac aaaaggaccc tntaggcatg ntatcgcc tcatttatga taagatggct 60
ctatcattt ataagagtca gggtacgact ctcttgcattt tcttgcttaa tataacttattt 120
ttaagataag atcaagtttca ctttaaacta aggtatccct aatccctaata aagtaacata 180
tataaccctt tcttagtgct cactttcaac agtggagcag atcatttgctt aatataatgtt 240

taccaataac aggtcctctc taggtatagg tcgcttattc aatcaaatgt actttattat 300
tattaatcaa aacaatatat aatgcaatata ccaactaaaca attcattccg ttccctcttc 360
tcctctttc tttctctca aataaaatata catttctaata ggtagntagt cttaattc 420
tctcttatct tggattaata tttgatagaa gaataaaaag acact 465

<210> 1565
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1565

cactgcagtg gatcaactagg gttgaaatct ctaactggat tgtggtgat cgtatgtat 60
ataaacagcgt tttcggtgct tagttgtgg attggattct atgtctagac catgtcaaa 120
gttgattcca ctataagagc ccgattcatt aagtttaatc aatttcatga cggtgtgtaa 180
atggAACCCG ttattatctc tttttttagt aggtgttac ttacgaaggc tctatgtacg 240
tgtttatTTT tagtgttaatt tctttgttaac cacggtaata tactgtatata gggaaagctgt 300
tcatatctt cttaatgtat aacagtgtat tgcaacttgag gttattcttgc tcgatacacg 360
catctacatg cttagcaaana tattatacat ttgtttgtg taagtataac aatgaaaaaa 420
tgatagagtt a 431

<210> 1566
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1566

gtgtatatac atngatagg gaagcaccat ctatccaatg tgataccctt tggttcatg 60
gaggccctaa tggattata actggaatta gaggaagggt tcaatgtctt tcataagaag 120
atttggggaa gactgagaca cagctagaga agcacgatata gatcaaagaa aaatgctatc 180
tccgcttcc tacactgccat ttcattccca aggaaccttgc tgatcgtat gctacagatt 240
atgacaatct ttctcttgc tcaggagctt aagatcaaag ttttattcat gtatctaaga 300
tactataaaa tgtacccat atactcctga atctagatca tgtgctaaac atgcattctt 360

<210> 1567
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1567

tctactcatt agcttactgg agaagctttt cttnnttaatt ttcttcctt attagtgc 60
atagaaaagc ttatccaaac aaggccact atatattctg caatctggta ctgtgccata 120
tatatggatg gtgggtttgg acatttggat ttgtgttagtt gttgttaata acaatgatgc 180
ttatgcattt gggcatgggt ttggactagt tttatcaaac tatgtttgtg tattggatt 240
ttgggggagg atttccactt gcttactaca tttttacatg tatattatgt aactggttc 300
attttattgc tacgtgtgag gtataactac ttctgtttt aaagccattt cattctttt 360
ttatttctt atgtttatgt cattgtggcc ttatntaaa agcatggttt tggtgactaa 420
ttataagcac atctaacttc tgttttagtt t 451

<210> 1568
<211> 169
<212> DNA
<213> Glycine max

<400> 1568

acttctgtat tagtgtcaat gatgcacgag acagcctcct cgtcacactc aatgctacca 60
tgctacactt acttcaacac gtccgacata tatgtctccat gcagaccttc gtacggacat 120
ggaggcctat aacttacacc acaccccatc ctaacccatg ccgtataacc 169

<210> 1569
<211> 202
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1569

ttaactgaga cttaatgagt gaatgtaaat gtttaataga tttgaaaaag aagaaatgaa 60
attttcctaa aattnaaata ctntctattt atatattnta gtgggtggatc aagtggcctc 120

aaaataatta agaagggggt tgaattaatt attcctaaac cttaactaat taaaaaatta 180

cttttctaag gcttttactt at 202

<210> 1570

<211> 112

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1570

gtttctgtct cttggcttta ctctaaaag ccacaaaatg ctngatggc tccagcactg 60

tcaacacaag cacgaatatc ttcaactgtga cagcacaaag ctcacagaac at 112

<210> 1571

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1571

agaaactgat tattaaacac acataatgaa aatactaagt atttattacc tatacttaac 60

agaaaatact tataacatta caaaataacc ataaatttg agagtttcat ataatttata 120

caagtttat acacaaaatg tagtcatttt caccgactaa caactcccc aaatttata 180

tttgcttgt cctcaagcaa aaagagaaca actcaactgt cctaaagtga caatgacatg 240

gagtgactat gtacaaagg gtatgctaca aagttactga ttgcatacgata agagaatgga 300

gtaaaatgcc ctcatcaattt gtcttcaca agttatgcag ttatccaaag agaagaataa 360

aatgtatact gaacaaatag atgaagtttag gcattagaca gatatcaagg agagtagctt 420

anaccacagt ctcatt 435

<210> 1572

<211> 235

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1572

ctgcagcttc cantatggaa gctaactctc tggggatct tcttgcgtta cttgatgtac 60

atatannttt tatctttaaa tgatgttntg tatgctcaat atgctatcag aacttcattc 120

ttccatgctt tngccttgat cacgtagatg catgtgtta taggatcatt caattgtgga 180

aactggctcg attcttagaa cttgatggga cagggctagt ttgtcgtaact ttcac 235

<210> 1573

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1573

ctaagctnta tagtgcgggt ctgngagacg aaggtcaagt gttcgctata tgtgaagatg 60

atgttccaag tacttcggat ttggtccgac catgccctcc tgatttccag ctgggaaatt 120

ggcgagtgga ggaacgcccc ggcatttacg caacaagcat aatgtaaacc tttacggttt 180

taaaagctct atagttgggc ctaggctnta gagttccctt tntgttaagg ctctgtgtct 240

tttgtttttg aatntataat acaaggatct ttcttcatct gttcctggtc tctaccatt 300

ctcattcatt tgcattgtta cttcttntc tgaaacggca gattcgatga cgagtcccc 360

gaaggtacta atacttngna cccgtctatc aacttcgagc aagaaat 407

<210> 1574

<211> 340

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1574

tgcctaagga ggtccggaag gacaaggcgg ctctttgttc tagttccgct cctgagtatg 60

acagtcacccg cttaagagc gctgtacacc agcagcgctt cgaggccatc atgggatgg 120

catttctccg ggagcgacgc gtccagctca gggatgacga gtatactgat ttccaggagg 180

agataggtcg ccggcggtag gcatcactgg ttaccccat ggccaagttc gatccagaag 240

tagtccttga gttntatgcc aatgcttggc caacagagga gggcgtgcgt gacatgaggt 300

cctgtgtgag gggtcagtgg atcccggttgc atgcagatgc 340

<210> 1575

<211> 307

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 1575

tatcgagacg ctcgtattt gaaacagaag ctctgagcca attcaaacga caataacttt 60
taactcgggt gtccgattgt gtcctgtagt atattgagac gctcgaaatt gaaaacagaa 120
gcttgagca aattcaaacg acaataactt ttgactcgga tgtccgattt tgtcccgtag 180
tatatcgaga cgctcgaaat tgaaaactga agctctgaga aaaatcaaac gacgataact 240
ttttactcgg atgtccgatg gagaccgta atatatcgag acgctcgtan ttgagaacag 300
aagctct 307

<210> 1576
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1576

cacttgttga atatgcttct ttgctntcct tgcgctagcc cttgtcatag gtcttccaag 60
atcttcaagt ggatccttgc ctttgcttggtcatgtcc tcatttatttctt cttccctttt 120
agaaggattt gtcctcatat cggattctcc atctgcatca naaatagata agtcagatac 180
attgaaggtg gtactaacat tatacttatac gggtagctca actntgtaag catcatttgct 240
tctttcaagc acttgacatg gtccatcttc cct 273

<210> 1577
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1577

gagcaatgtt ctaatataa anatttagtag tggaattctc acaatcagaa tattcagaat 60
cacccctcaac agaatgctca caatgcatac aatgaccaag atgcacacta tgcctaacta 120
atctatgaga gttctatct atttcangat caaaggattt tgaatcacct gggatgcccc 180
tagtcatgca ctatatgcag caaataatgt gtttctcaac aagcacctaa caaag 235

<210> 1578

<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1578

gcttanacat tgagaagaca gtatgagtt cttgctatgg atgagactga atcaatagct 60
gagtattca ccaagattct cacactcacc aataagatga agtgttgtgg agaacagatt 120
aaggaacaac tggtggttga gaaggtgctc agaacactga catcaaagtt tgatcacatt 180
gtggtgccca ttgaagaatc aaaggatctt acatcttca agcttgaaga actacaaagt 240
tcacttgaag cgcatgagca gagattaata gacaggaatc ctgagaagca caatgatcaa 300
gccttacaag ctcaaacagg cataaagttt gacaagcaat gagacaaatc caaaaagaac 360
aaaggatagt ggtgtgatga gaagtggaga aagactgaag attccatatg tggtgattct 420
ggatcatctt cacag 435

<210> 1579
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1579

aattaaacac acaaacttga acanatgatt aatgagccaa actcaataat tcactaatag 60
ttnggctcac ttanatccta tgtataacat cccaaatgct aacgaggacg aagaatgatc 120
attgttgttan aagagaagag acatcgacaa gtagtggttc atttagtatac tcttgacatc 180
ctagntcata attgtggtct gcctactntg acatctacaa atttagtccc 230

<210> 1580
<211> 253
<212> DNA
<213> Glycine max

<400> 1580

atgaataacc tggtagaaag ttattgtta agtatttaat tgtatcgaaa ccctaaaaga 60
taaaatttcg acacagtttc ttgagtaatt ttagtcctgc tatccaatta gaatcaaaga 120
tttacaccaa aggtcagcat aagataactga aactccaatt tcaatcgaa aatatacg 180

aaaaaacatg caaagaacta acaaatatga atatgacagt aacgtggttg cgtttcttt 240

atctattgta cat 253

<210> 1581

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1581

cgcgaactga gatctttcg cgatccataa attgtgtcta ttgggttattt ggaatgcgga 60

tgatgctgcc tctgctctcc atgtatacat gcgagtc tac gtgaggatgg agacatatga 120

ttggcatttt aattttgctc tcgatgttga atttgagttt ttcgtatgtg ccgtgtttnt 180

gtcagagttt tcataaaaact agtgaatctt actatcaaca acgaactgag caacatcgcc 240

ctactatagt agtgttaatc aaattcttac acataagtgt ataattggca ttntgattgt 300

aacttcaaag aatcatttga attgttagata atgtattgga ttatattgct ctcttcattt 360

gttggaaatac attgag 376

<210> 1582

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1582

aactcactct tcanacaaaa ctaatgagaa cagtgtctta taacacatgt tttcataaaaa 60

gaagaccaac actttttttt atttaggtta aatatcactt ttaatttattt atattttagt 120

atttttattt ttattacatt aaggtttaaa acgtttattt taattattna tatttttttt 180

taaattatca ttataatcat tgtttcta at ntatgttaa anaacattaa tgtttcatca 240

atattctaac taaaataata cctgaaatct cgtcgaagag tcaaattaac taaggagggg 300

tggtaagttt ttat 314

<210> 1583

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 1583

ttaaaactcgc tgtaaaaata tctatattca atcactcaaa ttatcaattg ctcattctta 60
tcattctcaa acactcattt catgcaaaac aatccactac atatcatttt caatcaattc 120
attgttcaaa cacgctttg gtacaaacaa acaactcaaa gtgctgaaat ttatataatt 180
gaaatttaaa aaaattgaaa tataaaatct gaaattaaaa tgactgaaca taaatcataa 240
aataattgaa aataaactaa aatgttcgag atgcacaaat ntaaatgtcc tgctcctgtg 300
gttgctccta tgcatgctca ttaaggtcca acacctgagc agctggtgca gatggtgtgg 360
cataatcaag tatgggtgct agggatggct ttggatct 399

<210> 1584
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1584

gatctgagcg acaaatacaaa cttccttagcg gtttctaatac atatggtcca ttaagtctat 60
catatgttga caatagctga gaagtctgtg gatcttcttg ggggcggagt aggtgtccgc 120
cattgctttg gccttggcta gcaatcgggg aaattcttga ctcctgttca aagtaagagc 180
aaatcggtcc gtccacattt ttgcctcttg gtgccatgaa tcaattaccc tctcccttgc 240
ttcgctntct gctgatatct tggcgtactc atcctcttagc ctttgcgtcgt gagtcgcccgc 300
tagaatttagc ttctctttgc actcatcgat gacgggccac atattccctt cagtctcgct 360
taattggtgg gacaaatttc 380

<210> 1585
<211> 352
<212> DNA
<213> Glycine max

<400> 1585

cggcgtttgt agaacctgtt acatgaggc ttttaggctc ttgtggtccg tgatgataat 60
gaagggtac ccgaggaggt aatggcgcca ttttcaact gccgaggtaa tggcatgaag 120
ctcgtgaatg taagtagatg catgttgaag gcgtggcag aacatcttac tataaaaggc 180

gattggatgt gatctctgtt gaagaatggc acccatggca atagcaaagg catatgtttt 240
gaggacaaaa ggcaatgaga aatccgacga ggccaacacc ggagcctgag tcattacttc 300
cttatgacga aggaaggagt ggtaggcctc ttcagaccat tagaattgat ct 352

<210> 1586
<211> 136
<212> DNA
<213> Glycine max

<400> 1586

aatgtgaaga cccacaattt cttgtgtttt ctaatttagag agggaaaaaa tatccagaag 60
ctatgaaatg tttctgcact ttcaaataga acctaaaaga catacaagac atttgtcact 120
gcattgagct gcatgc 136

<210> 1587
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1587

gcggtagaga gattgagatg atattgtatg cttcattttt ctgtcaacat gcaaggac 60
tttctctcg ttttagacatt gttcacaaa ttccaacggg gttagatgtgt gaaaatggat 120
tccaaagtccg gtgtccaaat tgccaaatga tccaacgggtt aacgagtccg ggatcatgt 180
tttaatgaga taggtttgg gtctctacga gaaaagagaa agctagaatg cgaaggat 240
ttctctcacc tctgacgtn tttggcaaat ttccaacgggtt aaaaatattt aaagttagtt 300
ctaaacctgg ttctcaaatt tcatgatgtat ccaacgggtt acgagtctga gatcggtt 360
ttactaagat atgtttgagt gtatgcgana aanagagagg aatttgaaa gaggagaagg 420
aaaaacgaaa t 431

<210> 1588
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1588

<210> 1589
<211> 223
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1589

aaatgcaccc atataacaatc aaggcagctt ccttacctag aatatttaca tgtacttcca 60
aggtgtattn gntatttaca tcaccacgtc tccttggtta aatntacata catgcatact 120
caaagcactt tgggttacca aaaattgcac atgtgcacat ctgggtatTT ctaataccta 180
tacatacacaca nacttcatga tgaatcttga ctatctacac aat 223

<210> 1590
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1590

tcttgcaattt gatgaattat attctatgaa ttactcatga gttctctcaa gcattacaaa 60
gaagtgtatca atatattata aatgctatga aattagatat tgtgtccaaa caaaggttac 120
aaacaatgaa ggatgattga cattctctgc tcggtgatgt ttcattattt tgtaaaaaac 180
acaatactat tgttcaaaaat atgaatgaca ctttcaaac acaaggaagg tcaaggcgcc 240
atatggaaaa gtttataatt tgcattcattt ttaaaaattg gtttatcaca tgattgatcg 300
acaacttcaa gagttgaata agtcgtttac aaaagtgaat attgagttgc ttctttgtgt 360

agcttgctta aatctaagaa nnatcatttc tacatttga

399

<210> 1591
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1591

ttagtgtgaa tcattcggtt atataaacta acctgntagg tttggaaatac tccacaggat 60
atagatttca tctagttgc tcatggcgaa gcgatgtcaa ctgctggta cacgatgcga 120
tacaaccaca gagaattgac tctcgaatga atcaggtgct cacaattgtt cataatgata 180
agtgcataatgc acagaaccca aatctgtgct cttctgctag caaggtaat gttcaaagca 240
tggaatgaag tcaacagaaa cccaatgttgc ctttgggtgt atttagagga tgngtatgcc 300
ttacctgtaa ttgacctgtc ttccacacaa tggaatatgt ctntaactcc acatctgatg 360
tggccatgtat atcctacagc tcatcggtct gttttgagga agaaatggat taccttaccc 420
cattcttctg tactggtgat gcatagaaaa ttgtctgatg ctacatattg tgcaaccg 478

<210> 1592
<211> 338
<212> DNA
<213> Glycine max

<400> 1592

gggagcgcta tcccgagact caacagaagt cagttgtgag agaaatcaga ctatgtgcac 60
gaatcgtata cccagtgggt tattgatagg accaagagct ttggccttacc ctaccgctta 120
cctagataacc tatcgccac catcccacca tcatccttgc ctatccccctt tgacactaac 180
gaagagtttc atgaacagtt aaccaaagaa aggcaagata aagaaacttg gaagaggaga 240
tgccaggagc tcgagcaaga gaatgagact atgaagggga agatagccca acagagccgt 300
gagcttatta tccagaacca gaggatgatt gagaagga 338

<210> 1593
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1593

atataatacaa caatggcctt catcatatgn cacattatgc attgcattct aatatttaga 60
gattgatacg acaatcattg ctctatgcta ggcgttctct caataattaa attcacactc 120
tcacccggnt atggctcaag ctcttttc tcaatcaatc tggctactga ctaacatttg 180
taattgcaag cttacattct tagtcttct ttgtgttagca gacacactng ctcaaactca 240
tgatanaaca catgctttat tccaatcatg 270

<210> 1594

<211> 354

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1594

agaaccaaag aagagcaagt tatattgaga catgaacttt ggttatgcga aaaacttttt 60
ggatgagaaa acatatatct ggatatggtt tataattcta tacttaagac atttaaaata 120
gaactgaggg aatcaaactt aggtcaattt aattctagtt tacgatatgt actcatggtt 180
aaattntatt ttagtgattt taatttaatc ttataaaatt attagatat gttatgtgat 240
atgtcactta catagtttta aaagtaacat atatgatttg ttatataatta catcatttca 300
tgaataaaatc ttttttatta tgcaaaaaa gcaatggatt nttaatttat tttt 354

<210> 1595

<211> 447

<212> DNA

<213> Glycine max

<400> 1595

tagactaact tcagcctacc attctcatac ttagggccat actgaacgga ccattcagtc 60
attgaaggac cttctaagag cgtgtgtctt atagtagaat gaaagctggg agagtttct 120
tccatcgata gagttcactt ataacaatag ttttcaactt accattggca tggatcccta 180
tgaagctctg tatggtagaa ggtgtatggc acccttatgt tggctagagc ccagagaagg 240
ccttacctta tgacctaaag tggtaacaaca aaccaccgag aaagtcaagt taatccagga 300
tagatgatg actgctcaca gtaggcatac aagttatcat gataagagga gaaagatct 360
ggaatatgag gatgggtgatc atgtattctt gagagtcact tcgtggactg aggttggctg 420

agcattgaaa tcccgaaaac tcacacc

447

<210> 1596
<211> 278
<212> DNA
<213> Glycine max

<400> 1596

tgtcttcaca aattatcatc tcacagcaga ttactaacaa aactaccct catatctccc 60
aaaacccat acccacgaaa tttaagagag aaagaagtcc acccaaacct ggattttcga 120
agtcccactc gtagccacgc acttcacgac cccgaaaatg ccctccttc gcgatttgaa 180
gcagaaatga gcaccaaagg ttggagctat gttggggttt caatggagaa tggaggagaa 240
ggaaaaagca acgtgaggaa gagggagagc ttctgaat 278

<210> 1597
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1597

ctttctaagc tntnttacaa cctttctcc nccttggct tcataaaaaa gccaaagaac 60
tcggaaatca acacagatat aacaatggag tagcaagata taaatatcag agaaaaaaaaa 120
acaaaataag ccaaactcac aaacaagaaa taatcaaacc agaattcaaa taacataaaa 180
tgtcaacaac cacaaaatat ccaagactga aattaaaaaaaaa ccaaaagata aataagcaaa 240
gtacttagca taataatgta aattctaaga aactaaaagc caaaatacac ggcttataaa 300
aagacatata atcataaact aaaatctaag aagacggagg tggtgaggaa agatcaaaac 360
tctgacaaat gtatccgaca tcctttcaa gctgtgt 397

<210> 1598
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1598

tgccacccag ctcgcccagg cgagcagggt tgcttcctcc ataagcaaca gcctactgga 60

ggaatttctt agagggccca agtgggcctg gttggctatt gcaccccat tttactaag 120
tacacccccc tgccttntt ggtgattctt tttcgtaaa gttacggaaa cttacgaatt 180
tcgtaacgat acttgtttc ttccgtaat gttacggAAC cttgtggatt acataatcat 240
cccccttttgc acttacggAA tgttacggAA cctcactaat tgtgcaacga tgcttcatt 300
tgatttccgg tggcacgg AACcttacgg ATTgtgcATC AATATTTCCTT TTTGTNTCCG 360
gcacgtcccg gaatttcaca aattgcctaa tgatgggtgc caagcacctt acaaggacca 420
aacaaaagtc gcatgtca 438

<210> 1599
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1599

catcctggtc atggatagat cacccaggtt cgggtctata agcaatgaca attgccctgt 60
gaagattcgc ttccgtaca gcttcggtgg ttcccttaa ccaagccaca acctatgagt 120
cgccagctca ttcttcaaca ggcacgtggt cagagtcccg agcctcctcc cactgcttgg 180
gagcttacgg ttcatgttc tatttcaactc cccgatgggg gttctttca cccttcctc 240
acggtactac ttcaactatcg gtcacccagg agtatttagc cttgcaaggt ggtccttgct 300
gatacacacg ggattccacg tgcccatct taatatgaat tactcanaag acaattcana 360
ataaaacttct ttaaagaana agataaaatag caataaataa aacaagttt aaggaagaga 420
gaatgcanac tcataattnta tactgggttgc catgcctt gtgcctacgt acaatn 476

<210> 1600
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1600

agaaaacatat atctcccca tatataacan atcgataaaat ggtgtgtgat tcaatgaagg 60
tgccaaattca tgacaaataa ctggtaaaaa ctaagttccc ctcggacatg taacgatgtt 120
cgacgaatcc cggtacgctc tccgtagggc cattttcggt ccaactcgaa gtcgcaacaa 180

ggtcttctac tgcatactct nttcttcattgtcatc acatac

226

<210> 1601
<211> 218
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1601

aaccttgaag tatgtctcac aagactctca ttcatcanag ttacaacaag tattacacat 60
gcttctatnt atagactagg tagttcctt gagaagctnt cttgaganaa ctcccttgag 120
aagctntctt gaganaactt cttgagaag cttcttttag anaacttcct tgagaagcta 180
gagcttagct acacacaccc ctntcataac taagctca 218

<210> 1602
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1602

aggggctgan tcctgtatta cttgcaccont tgattctcgn gacactatnt agtactcaag 60
ctgatagata cgtgaccaga cgatcgcgag ttcagccaag ctctcttgaa ggaagagcgt 120
caacagcgat ttctacctag agtgcgcccc cctcttgcaa cgatacatta tgagatggtt 180
cttatgacaa gtcgtgcctt tgtacctatc agaatcaggt accttgaatt atggagggat 240
gatgacgtcg gtactaagca aagattgcc atgtccgcga acggatagtc tccagatcct 300
tcgacagctc tcaatcttc ttcgatgaga atcgagttcc tttttcttc cgctgccgaa 360
ggtgtggccctt ctgcccggacaa gaatattggc tgtgctggga gggttcgagg gtctccatg 420
agggtggct gaggtagtct gttgggtgct ggcccctcna cggcgacccg ngagtangaa 480
ttgggtgtctc ttggcatgct ctctacactc tcgagatn 518

<210> 1603
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1603

tatatcctt tcaccgtana tattttatat tgtttctcg tatccacatt tactcgagat 60
tatttcttat ttcatatatt tctaataattt tcaaagaatg tgccactcat aaagtaacat 120
tccaaattag agataggcat tcatctactt tctatggtaa cattagtaaa acacatgaaa 180
ttatTTacta tGTGTTaaa ttGTCGTT tGGCATGACA tGAACAAGGT tCTTCAATAC 240
acgtaaaaag tagataaata aaagtaaaca aataagtatg gcatatccc ttagtctaaa 300
agcaagttt atatattcaa agtttataat cccattattt catatttca catgaaggat 360
tattcaactg agagtataacc ttaattaaag attacaaaat ggagaatctc attggaagca 420
gatactc 427

<210> 1604
<211> 395
<212> DNA
<213> Glycine max

<400> 1604

cgtagccac catctttca tagtatagtt tctataatgt gtctaccatc acgattatcg 60
tctcccttc catcattggg ggtaccactt gtgccgcag atccctctac ctcttggcg 120
tgTTCTTGA aagatccgtc ccccttttgc caaatgttct gtagttgcat cctatccaga 180
accatataa aattgtacta atactgccta acaaaggcaa ccattacgtc cttccaagaa 240
tagactcggg aaggTTccaa gttagtgtac caggtAACAG ctacccAGT aagactttca 300
tGGAAGGAAT gtatcaacaa ttccatct tttgcgtatt cccccatctt ctgacaatac 360
atcttagat gtgtttgtg acaagtagtc ccctt 395

<210> 1605
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1605

tgcctgtcgt atggtcagca atgctcaagt tgatattacc ggcagactgc ttgtcaggTC 60
attgacattt gattatcaca tcttgcacta tattttgtt agaattatga tgcctcgTTc 120
ttctaatcta gctcaaggct ctgaggagga tttgattctg atgtgggatt tcttgaccgt 180

tcgtcaaatac gactgtgccc atttgattcg ttaccgcattt catatggcat tgcggcttag 240
tgcacccatcca ccctatcctc agntaatcac tctatttctg cgtcatttga atgtacacct 300
tgcttcttag cctctcattt aagataaaatg atccttctctt attgggtttg gagcggtcac 360
ctctttggc tactgcatttgg agttggat 388

<210> 1606
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1606

gtcatgacat tgcccatgc atatctttt accaacaagg gtttacatt gtgccttcac 60
attcgtatga atatgagacc gacacaacag attggtagac tcggggaaaa cagnttctta 120
acatgttaaa tatctgtcag taacaatgac tccaaggagt gcatcacgtc tcagattaat 180
accttgaagt cggtcttagag cccgaacaac attatTTAA cgTTTCTT ccaaataggc 240
aaaatgcagc tgacaatgtc atacatgttggt gttcacacc aacaatgtca agtaacggca 300
gcctgtaccc gtttggat caggttctat ctatgagaat accaaactat cgacattgg 360
taatttcgac tgTTTGGAT gacttcaaca tatagtaatg acaacatctt aata 414

<210> 1607
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1607

tatactatag acaaaagnta atattaaata acatttaattt tctcacatTTA atataaaata 60
aaggataata agattatttg attgcaaaata taaatattta tattatagcc ttAAAATAA 120
caataataga ttataaaagg aaaaataattt aaaaataata atataacact tgaacatTTT 180
gttctaaaag ataaaaaaaca atgacttattt cctacaagga agactataaa aaaaataaaat 240
agtacattgt ctaaagagat aaaaagaat atcattttat tttaaaaatg aatattataa 300
aaaaggaaac gaaatgtttt ttcaaaaat aaaaataga ttatTAatat ttAAatacta 360
ttattcatat aatTAatcc tcaaatacaa tattttctta atattaagat attatacata 420

tatatt

426

<210> 1608
<211> 221
<212> DNA
<213> Glycine max

<400> 1608

tatgcccaatt ctgctttaat acagtctcac attgaaggca acactatggg caatcaacct 60
ctcttgatct cagttatcatc cttgggtggtg gatagttaca acaagctctc taaggaacac 120
gtttactcga ggagggacat tcaacatcca tatcagcatc caaaaaccct tttacttca 180
agtgactcac atcaaggact tctaccatac aaatcctata t 221

<210> 1609
<211> 190
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1609

cctcccagaa gagtatggag tcagcaccac tttaacatt tctgatataa ctccctttgc 60
aggtggagct gatattgagg aggaggaact aacagatntg aggtcagatc ctcttcaagg 120
ggaaggagat gatgcaatcc tccctangaa gggaccaatc acaagaacca tgagcaagag 180
gctccaagaa 190

<210> 1610
<211> 220
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1610

ttgctgagga aatatatccg tgaagaacat ccaagctgag gcgcctctgt aacgttccg 60
ttagtaatta cgcgaaagatt ctgcaccgtt cttcaagatt caccgttcgt tcttacgttt 120
tcttttagtct tcaatgggta agtacctcan accaagctnt tcaattcatt ctatgtaccc 180
gtggtggtcc acattntgtt tcgtgtattc ttattctcat 220

<210> 1611
<211> 615
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1611

tttgacgccc ctagangtga cactatagat gactacgctt cagcgtnca ttgaatntga 60
nggagagggg acactgtgga actgttaactt actctcgacg aangcgatta tgagagagtc 120
gaggactgcg tcggcnaaga gaataccatg ggcgaatgtg tgtataggcg attacgagca 180
gggtgattct tcctcttagat ctcttaggag gtgctgactg cgtcaccgat tcataggaca 240
tcgttccctct gctgttcage tttctgcctc caggtttcat tatgtcgtcc actaacacga 300
tcaattcaac atactgactt ggatgtctta gctataacag cagactcctc tctcactatc 360
acattaattt tggttatagc tcgaccctg accatctgaa ttgtgtttt ctttcacac 420
ccgctacact atctcttact ccagagaaaa gagagaaaaca ctgcattcctc tcctcgtanc 480
ttaaatgaag agaatattgc cacagattct tgaatctcat cttactatgt gtgttaacac 540
gacggctctt atataatctt cagtgttcaa taacacaaat ttctacctcc gtgattttct 600
gaataaccag aggcg 615

<210> 1612
<211> 557
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1612

cactganggt cttcaatggt gattntncat catggagatg caacgaaaga tattggaana 60
gaggtgagat gaggcgtcat ccactacgga ataagccatg gaaggagaag cttcaccccc 120
aagagaatgt cttggataag aagcttagag agagaacttc actgaaggaa gagaatgaga 180
gagagagaga gagagagaga cagtgacatg gtaaatcgaa tgaagaaagg gagagaagtc 240
gaactttgaa gtgtgtctca caagactctc attcattcag aataccacaa gtggcacaca 300
tgcttctatt tatagcctan ntagcttct tgagaagtag agctatctac cacaccctct 360
atagtaagct caacctctga gagctagagc tagctgacac ccctctatac taactcacct 420
ctagatgata gtagctcacc acccttatat tagctcacca tgcaaatact gagatcagaa 480

gtctctcana ctctcaatgc tatatacgta anactatctc tagatgcaat caggtcaaga 540
tgaactatta tatacan 557

<210> 1613
<211> 580
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1613

caggctgctc gatagctcca gggtgctgca tgganaggca naggtctgta tggtggtcag 60
cagaggagca cataccacan acccttgcaa catgtataga tntctgattc acggccagct 120
ggngtaccaa ggtaacccaa tgcattcacy tttgccttca agcttcttag tctcagatga 180
tgcagctgag tntgtaacta cctcatgcac ttctctaattg actatggcat tatttctggc 240
gctaaactgc tgagaagtgg aagccatctt ctcaattata atttctggct tcagcangag 300
tcatgtcttc aagggctgca ccactcgcag catctatcat acttctcttc atattactga 360
gtccttcata aaaatattgg agaagaagct gctctgaaat ctgatggtga nggcacttg 420
cacatacggtt tttaaatcgc tcccagactc atacaggctc tctcacctga gtgctataacc 480
tgnatattat ctgatgctat gtctagagca ggagatttc tataaacttc taggcattcca 540
ctctgatgac ctgacaagat acagcagctt tgcctctcan 580

<210> 1614
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1614

ctgcgtatct aatgtcctac tntatgcaga gggaaatatgc tctatacana caagcaaagg 60
gatggaaaca cctttgtgta tacaagtccc gtatacatgc tctangtctt tacacttctc 120
gattcatttc ccgggggtgaa atggatgtatgat accagtctac aagtctttat gtgccactcc 180
actatgatng caaatatgaa gtatttcctg tacttctaca gnngtgtgag tat 233

<210> 1615
<211> 522

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1615

tatgaccct tgagnaccta natactacct tgagctcgct agtngtnnc nnnnnnatgt 60
cgcactttag caccttaana ctagctcaac cccaccaatc agtgcaaacc tcacatggtt 120
ctagtgaagg aattaaatga agtaattgag gcnaactctac ctccaccagc ctaacatcat 180
tagacttgtc aactagatta cacctaaatc tcaccgatca aaatngactc ttcacaccca 240
acattgccta caatggcttt tgtcacttag gtcttagtt tctcttaacc tagncaacct 300
ttctacatgt tctaattgaca tttcagctag ataactactc tacctcattn acacagaata 360
gactagcctn caatctcaag ctcactctt cactcatact acatttactt ctacctggta 420
gttacctcat ttacaattca cacattcgaa taactaccca ttccaaacct aacaatggtt 480
gtacttcaac tggattacag ttcacatgct caaatataac cn 522

<210> 1616
<211> 653
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1616

ctatgacgac gttgangtg acctatgtta tctaccttga ngctacgcta tganttctaa 60
gctatnacta ttggtactat tgctcgatgt tnttatgana gtcacgtana ctttgttag 120
ttggcagaga ttacacgtaa tctcactgct tgatacgaac acatataaca gtgtatgtct 180
tatatctgta taactattat tctaactacc ataggatata atcagattct cggtttgcat 240
aagagttatt agcactattc gctgtcatcg tctaattgta tttgtttgtt gaaaactctg 300
tattatctgt tgataacaacc ttatcatata tatatatata tatgcgcgcg cgtgtgagag 360
agataatgga cacacttatt tggtatgtta gaatgttagta gcataactaca ccgtggttac 420
taatccactt atgaacgtat acgcactttg ttnttagtnt anatacttta gaagtacacc 480
cactgtcggc tggagtgcgg tggcaagctg accatgcattg atctccgcaa attttagag 540
ttatatatat atgtaatatg actgttgccc atctatctt atagctctta tctattctt 600
ataaacactg agtacagcat attatttctt gtatcagtgc tcttatactt acn 653

<210> 1617
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1617

atgtcaccat ctacagcaact nttctcgagc ttctntaatac cctcgnttac aatnntgtgt 60
attctcatcc tcaaaccatc acttctcatt gaatttgatc ttaagctgca atttatccca 120
gggatcattg cctcattgct ctccattggaa gtacgatttag actctaataatgc agagggcaca 180
ttggcatcca acgacttcac agctaataact tcttcttagta aatctacatt ctgcatgtat 240
cggtcanaag cttcattntc cacttcaaca ttccgcttct tgtatcctnt atcttggcan 300
natctcattt cgtgatagat gcagcatccc taaaacatca caatgctatt actttcacac 360
aacatacagg tcaccggaac caagtataaca ctta 394

<210> 1618
<211> 648
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1618

tggattgacn cccgggttgan ggcgcactatg atgtctgacg ctgcacgtca ccagagcata 60
ntgagatcca gatgatccct gccaaaactg tncaagattc accatttgag agcagagtac 120
gtatataacgg ttcaagttct actatcacta ctaacctcct cgacggacc agaggggtct 180
actnttcaat cattctcatg ataggacatg cctcttatacg aggtacatga ttactcgcga 240
gctatataac tttgatgacg ctactttcg taatcagata gtacagtgcg acactttctc 300
agcctccata tttgctgtaa acggacaaga acatacatta cacatggctt ccgtacgagc 360
gtgatgtaca tcctacacgt gtcacttaca taacgcattt gtctatcntg tgataaaacaa 420
tgactatgac ttcatcgcta gagtcgagac actaataactc atcttcacca cactgtgatt 480
gactacacat atggatgata tgtcttgact gcaatgtatg tgtacgcccataatgcactg 540
tctacactcn gtctatgaca ctgcgtctgc actttatctg atcttgggtgt cgaactatgc 600
ggatctcagt cagatctgat cacgcctcac gtgtgatgta tgaacatn 648

<210> 1619
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1619

tgccatgtt gctgcggatg attgcttcat atntacctgn gtcaactcta tcagagagaa 60
atcacacacc ttcaaggat tcaaagagtt gagtctaaga cttcatagag atgaagactg 120
tgtcatcacg agaatcacga gtgaccatgg cagagagttt gaaaacagca ctgttactga 180
attctcacat ctgagggcat actcatgagc tctcta 216

<210> 1620
<211> 614
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1620

ngttattgac ncccgcttag angtacacta tagatgatct caccattgga ngctgacact 60
atagaattac tcaagctnta gctntggct gtaactgaac cagatgtcat cgtgtaatcc 120
atgttagccaa cctcacatag taagataaga ctactgtagt cgtatcatac cacaacaacc 180
tacttatcan agggagaag gggnggacta aacaagaata ctacattcat atggagaaca 240
ccanatacaa ctcttggcat tctatattag aatagataag ctcaatcaag cataacatga 300
atttgtttn tcataattctt tgtaccatg tacatggctt ccaagaactc aaacaacgca 360
taaaggcgca ttgtgaacaa ctcatttaag gattgtcata agaagaatac atgaggcgta 420
agtacataca taagctacca caactactta atgctatata tangcagcta tgccctagag 480
ccgagcttg ttcataaaaat attctctaag cgaaatatca agtnaaataa aagctaatcg 540
atttgccctca ttttnatacc aatatgccct cttaaaaaac agaactaatt ttaatgcact 600
agctattaaa aacg 614

<210> 1621
<211> 606
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1621

tgatgacccc ttgaggcctt gatgttacct gaacggcact tgnatctcag ctctaccaat 60
ggactacctt gaatatattc tttgtagncc tttgagcctt gattcccttt cttgntntga 120
agctcactac aagccttaag tgagaaacca tgatattacc atatcctca ggaatnttg 180
agctttggaa tttgttgag aataagtgtg gcggggttt ggttcattgt gacacgtcgc 240
ttcgctgact atgcttcatg aagcagtctg gccatactt gatgtacatt gtatatcngg 300
taaatcgtgg acatgctgaa tgatatgtt cttctcanag gcangaacat acaatcgnag 360
tacataagaa gaggatagtc atcaagaagg ccctacgctg agtgatataa cttaatggac 420
aaaatatgaa ctctggtcta cttcatgta acntatgtt cttctttatc tctaatgttt 480
ctaaaggcac tatgccctt gctcttattc ttnggaatta gcactaatca tattctcata 540
cctgtcttgg cncatacgac gtanagacnt atgatctatg tcgtgngtat ggtgatgcat 600
ataaan 606

<210> 1622
<211> 619
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1622

tgccagctt gancccttng anngctnnna tgatnccatt gangnccact aagattctca 60
gctagacaag gttaccatgt tcanagcttgc ttngngacag ctgaacagcg tantctttag 120
tgatagatga atgaaggtat ggtggttctt ggctggcann aagtctactt ggtatagacc 180
taatggcgca tctagaagca gacttgacag gttcctagtt tctcatgaat ggcttgctag 240
atggcccaagc agcattcaag ctacacttgc aaggaaatnt ttggatcatt gtccaatngt 300
gcttcgctct aaggagattt attgcngccc acaacctctt aggatcatgg attgctggta 360
cttgcataatgtt catcaaagaa actgtcatca ttgctgacat ccatcagcaa gccgggtggg 420
aggatacatc ttaaagatna aataagaaat tgaacacatc ttgagagatg gatagagaca 480
tttggaaatcc ttacaaggca aacgatgatc tgattaacaa ctgtatgaaga cacatcaaac 540
actatccaca aacgagcga aagaaactga ggagacttgc ngaccaacta tatctgtacc 600

acacattcat tgactttgn

619

<210> 1623
<211> 169
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1623

ccaaagggttc cagaaaacana cctagctatt caatagaaca acacaggtag acgaaatgaa 60
acgtacctgt cacgatctt agcgcaatgg agaacaacaa gctntgatgt taacagagaa 120
gaagagagcg cgagagaata cacggagaag aagagagcgc gagcaaaat 169

<210> 1624
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1624

ctgtcctcgt agactcgctt agcgccattn tcgcgctaag cgcgagttag tggaaatttg 60
cttagcgctt caagcgcgct gagcgccaga agagacanac tactcgctgn gcaagctgat 120
ggcgcgctga gcgcgtgcat gcgtggcaga ttctcttcca gattctcctc actcgctaag 180
cgggctgatg tctcgcttag cgatgttgc tcgataagca catttgcgtc gcttagcgcag 240
acaatagcta cagtaacctt ctatttcttc atctttcac ctganactga agttgaaaac 300
tcattaattc acactggagg ggatatctac t 331

<210> 1625
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1625

cactatctat cttaatgtt gctgaacana atgaatgtca tagacatgac cgatacanat 60
tatgtgatgc acagaagaat ctgttgggg ttgacttcta agaggaaata atgtcatgct 120
ntattgtcgg gacatcgata caaggattac attatacctt gatgcaatga catatccat 180

nctcggtata tccatccact tatccacagt aacatgaatg anacanatat acacgtcaaa 240

gttaattctt annaagcana acatanatta catacctttg gtaaccatc aacaagt 297

<210> 1626

<211> 277

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1626

gctatgcga tacttcttac anatgttctc ttgcacaaga cattctatta accgaatata 60

tgcacncata tacaatcaag gcagctccgn tacctagaat atntacacgt acttncaagg 120

tgtatnngtt acttacatcc cacacatctn ctggctaa atcacataca tgcataaccca 180

nagcattntg gngtacaaa aattgcacat gtacacctct tggtatttct aatacctata 240

catacacaaa ctntatgatg aatcttgact atctaca 277

<210> 1627

<211> 234

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1627

tcttcatatg cattagctt gtttatata gacctaacgc tntntaccta ttactgtcaa 60

ctnttactta ctgcattta ctcgtttat canagaagta gtttatgtct atctttaacc 120

atcatttatac aatgatgttc caacaatgcc ttacttctaa ataaaactct gtctaataag 180

caagntccct tgagttgata ctggatcat tccgcttcaa tttaaataact tgac 234

<210> 1628

<211> 591

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1628

ttgaaccgtt tgaggcctta atatctcacg ctatgccaca cttgcttaca atgagcttta 60

gcactagaca ttctgtacac cgattatatg ctncatcta cacataacgc tattgcgtt 120

gatagattat gtacacgtt attgacatag acttgaccac ttacatgcac cacatctcct 180

tgcaaaaatg cacatacatg cataccana gcattatgtg gtactactaa ttgacatgca 240
ctcatctagg gatgctatat ccttgatgc acgacataac gatatctta tattctcctc 300
tatagacgga gcttgagtca atatgatact cgcaaataa gccttaggag cctccataaa 360
taccttcttg ataaccata acaagagggc ctctgaatca tcaatgtgct gtccaccgac 420
agctgttcta gctatagaat tgtaggcta tatcaatgac gacaccatga caagacttta 480
ccataactaat aaacgcactc gcgaatcaag taccgcactc tgctccatga tgcatacgcc 540
gttaaggta atgatcngat ctatgccgtc tgattgtgtc tagagacact t 591

<210> 1629
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1629

tgcacncata tacaatcaac gtagttgcga tagctagatg atatacacgt acttccactg 60
tgtatatgtt acttacatcc cacacatcta cttgactaaa ttcacataca tgcataccca 120
aagcatgtt tggcaccaaa aattgcacat gtacacctgt tggcatttct aatacctata 180
catacactaa ctttatgatg aatctcgact atctacacaa taagggcgcta catctcatgc 240
tctgtcaaag ttgtgtacct agagccgatg cagatgacag atatttcctt tgtaactaaa 300
ctgcttcaat agaaggatca cttttggta tgtattctt catacatgag atattattga 360
ttcttggcac attgatacat tatattgaca tactcacatt tgc 403

<210> 1630
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1630

atgatgaang gatgtcttca gttctcgctc tctntcttga tgccatctgc aagaaaagaa 60
tgtagactgt cgcaacctac cttcggcg gagggcgatg cggnatcat gggtgcgtct 120
tcaaagaaaag aaaaatgcgc ggagtcacca ccaacgttta ntgangaan acgtcggnaa 180
aaccgacaaa tgtgtggtct acgaactnta agtgtgaaaa ggtctggann gtgtttacac 240

accgngaagg tatagcaccc acgcgtcatc acaaggatga caccttaatc aaggtccata 300
tactcaaatg ttatccctt ntatgctta tgctttggat ttatcttgt gcacaggtgt 360
cctcctctcg atctcac 377

<210> 1631
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1631

taactgaagg gcaaaattga tcttcattg aattgctggg tgcaccagca atattgctgg 60
gtgcacctag catatcccgc tggtaacgg tcatggttgc ctgcaattct ccaggatgga 120
naactgtagt agtttgtaa agaacctcta ttgtcatat gagtgttgct aggtgcactc 180
aacattatct gttgaagtgg tgcacctact agcacttgag ggtgtgcact tgcactctct 240
catntngtaa nattcattan atctgtaaat aacaatctat acttttatat tctaattatc 300
tatattcata taatcgaatc cact 324

<210> 1632
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1632

tgtgactgcc gtgtcttaaa catttcagt tatannattt ggaaaaata actctngngt 60
ccatatggta tgctntgaag aataaggtag ttaaaattgg ggatctgtat atattntac 120
aagttgggta gctgatcatg tattggaaac tgaagctcag aaacttanaa nagcaactat 180
gttcatataa agnntttggt tattttatta gcctctcatt ggaagcatcc nctgcatggt 240
tnggataatg tangtctgaa agtaaggatg ctgcatatga tgatgtaatg aaagatttcc 300
tttggactat agatattnt aatttgtgca ccttttatca tttctttaga ggctagatat 360
cactacttac tatgaaatag gccccattgt atcacttata atta 404

<210> 1633
<211> 499

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1633

atgacncccc tttganggc a cttnatgatt acatggaa tgcaactatga ttcttaagctg 60
ca cactgtgctg agcatggaa ac attatgagat aaataaaactt ttttattgat tgacatgaaa 120
tgacagcaga cctgggatca tcggaaagga agatggtg aagccatgag aatgaaggta 180
agaattgcgc ctttgaatac cggttaggcgg aggtgagata tttctttat tgtggcgcgc 240
tgttgcctca tccaaagagg ctcttaatga aagtgtggca catgataact atagccacta 300
gacaatgtgc atgtgtatgg caataattgc agtgaattct tattattagg taagtttacc 360
ctaacctcaa catatggaga tttttaaata taaaaataat tatctattaa atatataaca 420
tgttatttct ttcttagtta cttaactgcct tctgtttctc acaaananagat gaccgcggaa 480
atatatgttn actaatggg 499

<210> 1634
<211> 606
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1634

tgcgcgttag gccttgcgt cgtgttaggc cttgatctag ctgacaagtc tcaattagta 60
ttactgaata ggaaacttct ggtttagca ctggtgagaa ttgattgaag tgaacaggtt 120
gtgcgagcac gaataaaagaa aactatcgat gcctaagaga atcaaggta attttagtgc 180
cagtgattat aaccaccacg tntctgatta cgctgaatgc atgtatactt gatgcaatct 240
ttatactatg tgcgtgaagc acatgtggtg tagctctgct gcatatatga tgagcaattg 300
tggtgatata natacatctc canagcaatc acaatcacat catgtgcagn taactggtag 360
tgtgtatac anatctaana gttgtatagc ttcatgacat ctactttctg cataantaga 420
tacataacan aatagacctc agcttcatct tgctacctt gAACATGAGT tcttatata 480
gggtgattat atcatttcag cttaaactat atgtcggtt acgtatgtgt cgaaatgact 540
gcagggtact cttaaataat acctgatggt catgatanga ncatgactga atttcacgat 600
catgcn 606

<210> 1635
<211> 513
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1635

tcactcagcg aacatgaact ttgtacgaat tggctccctg cattggattc attntgaata 60
ggtgcttgaa aaatttattn tcataattta ttcactatga tccttgaga aatgaaccaa 120
tctcattaag gtgaggacat aataaaattg ttggatacta tacaagccac gtttattcta 180
catctaattgc taaaatttagt ctaggatttc caaattttt tagccaanaa ggagacatgt 240
tntgaaagtn taatcagtag tgcanaaatt gagagctacc anaacttata agttgagttt 300
tggtgccgt actttctag agtcttgta tcgctggaat ngtatagcct ttcaacacnt 360
ccaatgtaaa tcttatctca gacaaatgtg ctaagaaaatg cgatagataa tacatcagat 420
tagagttact acctgattat ntagattata naacctgtat taaatntatc atatcatata 480
atgctaattga aaaaatttta tatattaata ttt 513

<210> 1636
<211> 603
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1636

ngtgtgacn naccgatnacn gtgcactatg tgactcagct ctgcgtgtca gagatatctg 60
tagagagaat ggtccaagtg ccagatagcn ttgttgtcg aatactgact gacaactgat 120
ctcgatttagg ccacttcctg atagcatgat atgatatctg tgagagacct gcacgatcta 180
tatgttggag agacatcccc actcctcgac tctcatacat tcatggttct tatactgcac 240
ttgttgatac gaagctgcac acatatggag acgtacaacg atagtggat tccctgggt 300
acttgatgtt atacctctat ctcattcatg aagtggatgc gacgatgcgc catcntgatg 360
tgatatgcat gttatgcatg aacggtagaa catgctccc atgatgtcaa taagcgtctg 420
cccgatctct atctagtagt cgagcgtac accgcataca cataggacat ggccagatgc 480
gcttcgatgc acgtgttgac gagtctgtga tatactcac ggtgaccgt gctgactgac 540

atatatgtga catacgtggt gaggcacatt aagacctctc tatgtgcatt tgacataaac 600

tcg 603

<210> 1637

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1637

tcttcagaaa caagtcaattt gaagaaatgt gactntngga natgtatntt tcgaaattat 60

tcactggtaa tcaattacca ttaaggtgta atcgatgaca catcaacaga tgtgactctt 120

cattntgaat ntgaanatt taaacgttta gaggctctgg taatcgatta caaatatttg 180

gtaatcgatt acacaagttt anaatgatnt ganaatgtnt aaacccaagt tgtgactctn 240

gaaatttgan atctaaccatt ntanagacac tgtaatcga tacatgaata tggaattgat 300

acagctctgt agtcagttt gaaataatgt ggtactggaa tcgatactg 349

<210> 1638

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1638

gtgccttatg aatcctcccg tgcttatgcc accagtacct ggaatgcctc tcattntgta 60

catgacaatc ttagacgagt caatgggtg tatngctgg caacatgacg aatccggaa 120

gagagagcgc gcctgttact acctaagtaa gaagttcacg acctgtgaga tgagatactc 180

cttgcctcgaa agaacgtgtt gtgctctagt gtggcatcc catgcctaa ggcagtacat 240

gctgagctat actacctcgt tgatatccaa gatggacccg gntaagtaca tcttgagaa 300

gccagctctc acgggacgaa tcgccccgtg gcaagtcctg ctatgcaagt ntgatatant 360

ctacgtca 368

<210> 1639

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 1639

acagggcaga gggcagaaac tctgccana acacanacca ataccacaac tttgtttac 60
tcaattacct cagcaacatt ctctcggttc caattcggttc accgttggaa tcgactcgaa 120
actttactgg agatccctag tacataagtc tacattntga ccgttggat cttctaggan 180
acgtccagaa cccaatatat acaacccttt tcacaaccag caatgcataa gcattntctg 240
caccaacaca naattctgct gcacacttta acagcanaat tctgcataga agtgcagaat 300
ttcgaaatca ct 312

<210> 1640
<211> 208
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1640

gcgctatccg cagactcaac agaagtcagt gggaaagag atcagactat gtgcacgaat 60
cttataccca gtgtgttatt gataggacca atagctctgg cctaccctac cgcttaccta 120
gataccatc gtnaccatc ccaccatcat tcttgctat ccccttgac actaaggaaag 180
agtttcatga acagttaacc aaagaaaag 208

<210> 1641
<211> 528
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1641

aagttctagg agagcattca tctgttagatc aacactgtct ctattattcc atcttctatt 60
acttgactag tacatgtaaag gcacttagct tcaacaatag ccgcacacta ttatatctga 120
nagttactac tctatctcta ctttaagac ctgagtagat cagctttat ttacctgttc 180
atgacaagtt ctgtgtggct gtatctatct taccactttt atcatcctgc aacaatctac 240
ctcanatatg tgacagaatt gctctgaacc ataatgctct tctacgacct aatgaaagta 300
catggagata taacttacac gcttncgtca gctcatcaat aataatacaa agactcatat 360

ggggcangga tcatattcat aacangcagc ttttgctagt gctattcatc atctgacgca 420
tcattgcaat ctgcgtattc gattcaagat atgacatcat acaattaatg tttcccgta 480
tgtataact ccagtaactgg nacactatat tctctgtcta tatgcttn 528

<210> 1642
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1642

tctatcaata gacctccaat ctnaatgga gagggttacc actactggan aacccgaatg 60
cannattta tcgaggcaat agatctaaat atctggaaag ccatnganat anggccttat 120
atacccacca cagtaganag agttcaata gatggtagtt catcaagtga aagcataacc 180
atagaanaac ctagagatag atggctgaa gaggatagan nacgagtaca atacaaccta 240
nnagccaaa acataataac at 262

<210> 1643
<211> 561
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1643

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gaagaaaaact actccagcta tccttctgct ctagacacat gctcttaana naganctnca 120
acgaatgaat ggtccgttca gggtggccat cactctgacg atggcaagct gaacttagtc 180
taagcttggt tccaacgctc tggtaagct cttccanaat ctagaggttag atctangatc 240
tttgcagat actatgctag atggcacacc atgtaacttg acaacctcac ttatatacaa 300
agtggtaac ttctccaaga naatctgata ttaatggaa tgaagcgagt tgacttagtc 360
aatctgtcaa caataaccca gatagaatct aaacctctan gngttctagg gtgtcttacc 420
acannaatca tgganatact gtccgacttn cactgnggta tctctaaggg gtgtacntcc 480
gttanngctc tgatgtctat ctaagcttct gaagacangc atgatacaca actactaact 540
cttcttatacg tggccacaac n 561

<210> 1644
<211> 583
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1644

attgatcgcc atctattang tgcactatga atactaagct tgcacactcg cncaggcgag 60
ccaagagctg gtccagctcc aatatttccg cttcagtcaa aaactcatat ctcatactca 120
agatgtata tatataggccc aacggttata atgtggaaaa gtgtcttacg aaccntcaga 180
gaaaattgaa gacgatccaa cggttaacga atccgagacc gcaattttac taaaataggg 240
ttaggtaaaa atctgaaata tcataatttc aacttaactc aacanaattc cacataactc 300
aacatccaca tcaagaaatt cacacatgac ttattcanac catacctcaa ctcattcaag 360
tcaaccatat agtcaaataa cacaatanat accantaaac atcgattatt antagtaata 420
tntcagggtg tacagaggcc accaccctac angacaggac acctcttat cncgctnaat 480
actcttgct gaccacaaac aggatactnn gtatngttg tagaaggat cactgataac 540
tacaccttaa ctctggact caaatctcat agaggttatg tcg 583

<210> 1645
<211> 611
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1645

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tnntntgaatg atctccatga tatcatatct attgaatgaa ctattaagaa gcacgtcaca 120
tagaaaagtgt gatggtgaca tcatgctcta ttataacgtg aaccanattt ccctagctct 180
agcattcacc taattcgctt atcttgatct tcgactctct tttgaactac tcgtngtctt 240
tctgcctcgt gagctgagtt gaatgacata tatgtacaat aaccatgatc aaactaagca 300
aaaattgatg ttgctcaagc ttctatgcag aacaagtaac taaccaatac tggttacata 360
ctatcatcga tatggaagaa acaatggcta attaatcaga aaccgcattt tacatataga 420
ctacaccttgc atgtaccaat taactanggc tcgttggat ctcagctcca agtacataag 480

tgtctcgtaa atgagcacat agataaggag tgcacaccta tgattatccc aatatgctca 540
tgcctaacta caagtgtgt aagacacatg acacatcata tgccttaatg atctgcaagt 600
cgatccntgc g 611

<210> 1646
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1646

aggcttact agcttatctg tcatgtcgct attcgctct tatattacaa tagcctttgc 60
ctgcttagta ttgcaattgg tgtgttgcta tcttcgacat tatttacgc gggtgaagga 120
attagaattt acaactctga agcagtaaaa acaataatat aattggtaat actctacgac 180
agttaaatac taaatataaa tatattatTTT aaaaatataa aaattataat tattgaataa 240
atgaagaaat ataaaaatag aagtaaagta taatTTTact atcaaataaa ataactaatg 300
ctatatgaca acaataacct tgaaggatgt attatgaggg cgaggctgca acatatggtn 360
tctatatacg tctctattta ttgtaaaaca cacact 396

<210> 1647
<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1647

tatctataca nattgataca taccaatacc cattaacatc acaatcttat tataatgtga 60
ctataataat aaagccatag ccaaaagaat taatgagaaa ctctgatacc tcaagtacaa 120
caacacatga ctatgaccat ggcacaaaat cgaaactaga agtctacaca naactagtcc 180
ctgcacgacc atggtgcaac aaatagtgcg ctatctgatc tctggcttgc tctgcagcat 240
tagaagcgaa cgtattctcc gccaccatct catcatcgaa gatctcatac ttccagttag 300
gatc 304

<210> 1648
<211> 622
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 1648

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  cttatgactc ccttgangt gacctatgtat gctaaccctta tactncttat ggtgagagaa 60
  tggtagaaaca cgcaaggta agagtgtgtat tttgtatnt ctaattgact tggactttc 120
  ggttcttgg tttgananat cattncttaag tggatgtcat ctggctaatc ttacgtctt 180
  caacagagcc gtgacaaccc atttgggta aaagctgtga gaagaacgcc tgccacaagt 240
  acttggaccc agaggatgt tgccatgaaa ggcaactaag cttgagagaa gccagtggaa 300
  tcagtaaaat ggtcacgca caacannaca taaatcattt ggacctggaa tcgtgtgctt 360
  tgctaaaga atgcttctgt aatgtgtgtc ttccatacat atctagatac caacattctc 420
  ttttccaçac tggatgtga gagtactcta cactactcaa gactatgtat tggatgttg 480
  atgtagnata taactgatata ctggccaa tcttgcatact tggatcttata acatcataag 540
  agaaataatg gtttagatgt cngcctacta ngactacaat attttataag aacgtaaat 600
  gcccataagat cgcccgcttc cn 622

```

<210> 1649
 <211> 586
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1649

```

  cggccactgt gttgancccc tttnagngac ctaaatgtat acagtgcacg tnctccnnna 60
  ntatngagng nnncgaacgc tctacgatct atttcggtt ctggcgngg accacacttg 120
  tattattgtat tggatttcga attgtatcg catcgatag aaacttgcgtatc tccttatact 180
  cacattgtat gttctataga tcttgcggcg cttaagcgag ggtactttgt tcttanctgc 240
  aacacagttt cagtgaanca tatggtgct gattctacgg cttangcata actgaatcca 300
  cgcttacacg tggattgccc atccttatgc atcagaaccn gaaagtatct ttggagtcca 360
  cggatttaact tatattgtat actatatggc atatgagagc ttcacacgtt tcagcttcta 420
  tgaatttact tttaanattt tactgttaca tggtaagca ttctcattca ttgtgtggc 480
  ctccggatta gtacaagatc caatcttcga aagacagctc aactttcgta cctctactta 540

```

aatgcaaagt gtcaatcacc tccatgagac cgcgctcta cgcccg 586

<210> 1650

<211> 662

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1650

atgannncg nntgnangng cncnnnattg actcccgtg tnangtgcca ctataganta 60

ctcaagctag ggtgatggtg cgctactga tgngtaccat gaggtgttag ctgaggctcg 120

atccacgtgg gtggtaaga gacagcatgg gcatctcctt ctttcgttt tgcccgtagt 180

gccccgattc tttaggcgtt cacgatcgta gaagaaacgt aatcaaactt tcctctcttc 240

aatccaaact cgattctatt cccggcacac accagatgctg cagagctgga cggcatgtaa 300

cccaactagct tctcatagta gaacactggc agagtgtcta ccatcatggt gatcatctct 360

ctctcaacca tgggaggagc tacttngtgc cgcaaaatcc tccatcgctg cgcatattct 420

ataaaggttt caccctcttt cttatacata ttactgcagt gagtacggtc aggagccata 480

tcagaaatgt actgatactg gcttangaan gcgggtatca gaatctctca cgtacggata 540

tgggaagctt canatttagag tacacactac cgcaactcctg ccagtatctg aagaatgatc 600

acagctttat ctttagatgac gccatctaca gagacatatg aatggtntgt gacagcgtcc 660

tn 662

<210> 1651

<211> 568

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1651

nntatctaca ntntanaggt atagatcttt atngtataat ataataatat gggttttctt 60

tagnattctt aacataaaata gaataaaaata tgggagctac tcataaatct atataggatg 120

agctaaatt aatggctagt aatatctatg ttttcaaga cactcaattc taaaataanaa 180

ttatacataa gtgacaatta tagaataaaa gaaatagtac taatatagcc cttttcttt 240

gcttntcta cttcatctca ggagaactct cgagtcagtc taaaactccac aatgtccttt 300

ggttctacta tgataaacact cgaaaatang agtaataact aaatgcactt aactcactct 360
gggactatta gtggctcaca taatgtattt acaaacataa ntcactnng tattacctgc 420
actgagtctt gtggatgaa aatcactaac tgagtcttaa caccaaggaa gttctataac 480
tcttgatatac ctttgtggac ccaagtatta agttccatgg ttattatgga agaaccgaaa 540
tcaaagtctt ttgttatatt tattttgg 568

<210> 1652
<211> 569
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1652

ntcttccat cacgatcaca gggagcatag acatgacan tcacatcct ctgtatatta 60
ctaatacatg tccttcaag cattaaaaa cttctactct ttctctctcc tatccaccc 120
anaaatggag ttattccaca nacataatag gccaccagca gcctgcacag aaagaacata 180
atcctaattgg gcagtcgagt ccccccaat ggctggcan atactcttata nattttctc 240
ccttttggt tcttggagac agacaangtc cactttgtg ctgttacaat gaacaacana 300
ttgaangnnn nnccnnnnnn ncnnnnnnnn nnnnnnnnn nnnnnnnnnn ngnnnnnnnn 360
tnnnantnnn nnagnncnnn anngnnnnnnc nnnnnnnnnn ncntnnnnnn nnnnnnnntnn 420
nnnnnnnnnn nccnctnntn ncnnctnncc tcnncnncc nnnccnncc cccccccnn 480
ncncnccnc ctcccncctc ccctctttc tcttnntccc tnnntctccc ttnttcctcc 540
tctnctctct cttcttcctt cctctcccc 569

<210> 1653
<211> 587
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1653

gattgaaacc cgcttgangt gcactatagt gactcacgct tgagatgnng aagtngtgaa 60
gggngannac ttctgcttat atcggtgacc acactattgt acctggagat atgtcggt 120
ggtaagaga cttgggtgac gtcaagtggt gtgctatcgc tcacaaccaa gctagaccaa 180

tcccgaccca acccgggcat agtcggtcag tgagaacctg tcatgtacct aaacaggcga 240
gctccttgca gtcaacagat attatgaaca tagaccatca agcacggagg ctagtggtgg 300
ctgccagctc gtgaatttgt gaatatgtgg attatggcct cttgtaatcg attacacagg 360
tgtgtaatcg atacgacgct aatatgaaac aggangctag atgctctgga atcgatacca 420
ngggagtatc gataccagtt aaaacaagtc ngaactgngg agctctgtat catacacctg 480
ttatcatacc aagaaggtat gtatcatcca gctggatcat accgtgttc tatcagtcta 540
gtgtatcagt agcttggata tacagggat ctccccatc acctagt 587

<210> 1654
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1654

gctacagatt gnngaaaaga agaatacaat gttagattaat tccattacat attgtcttt 60
ntaatgttgc tattgttctc ttttgtgaat ntatgctnc caatgtccat ggctagctaa 120
accctgagt tagggttacc tatctatgaa tcctaattct cttatttcaa taaaagtccc 180
attatttctc aattatatta ttgtgttgc tatatctcta tttggatng atcaccctan 240
aacctgaatt gattaattgt tatgatcgac anacttaat taatcgaccc atgaaataat 300
tggattccta ggatntgcat gaactaactt atccccaaat tactaatctt atagtaagt 360
taataatctc tggctanact tcttaatta atcctatgaa cat 403

<210> 1655
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1655

tctcctcatg tcgattcaat ctcataatt ccatatcatg ttcctataac tntccagaca 60
gagtagcaag agacatgtta gaaagatctc ttgattcagt aatgggtgct accttagtt 120
gccattccat gcttaagcaa ctcanaactn tattgataag aatcttcatt tggaaatatt 180
ttcctaagga tgcaagatga ttaattatgt gtgtaatct cttttgcatt tcctgtatgg 240

tttcattang attcattcta aataattcat attcatgagt taaagtatgt gtcctagacc 300
tttntcacat ctgtggtct tcataggta cctataaggt atccccacata tcctttgcat 360
tttgcacatt gacaccccan agtatcatcc attcctg 397

<210> 1656
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1656

acacgctgcg tgccttaaa cactgtcatg catataacct aaatgtcatg tatgcctctt 60
gtgtatgatt atntgaggat attgccatgc tgtgtaaatn cntctggtgc gctttgcgc 120
ttctgcatca tggcgtcaca catgcgttgt atgtgggtct cgtctttgt catgggaagt 180
cggaaagatcc atatcgctcn nttaactgca cacatanggc actgcgcct caatgcgcaa 240
gtaaggagag atgatcntc gggctctcgt gttcataaat gcattcatat catgcattgc 300
ataaaacatct cttagcattc 320

<210> 1657
<211> 145
<212> DNA
<213> Glycine max

<400> 1657

accactgtca gcatcaatca tacttctctc catgttactg agaacttcat aacaatattg 60
gagaaaaact gctcatatat ctggtggaaag gacaactgac acataatttt tataatctctc 120
caatatcata tacgctctct cactg 145

<210> 1658
<211> 155
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1658

actttcstat catttgctct ttataactat taaaatcccc tacaagacac caactttnta 60
taccactact tgcccttntc aactntaact cctnccaccc tcttaaccta ctacctctct 120

cacaagaaga atacatatta acgattgtga cttca

155

<210> 1659

<211> 192

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1659

tgctgaccac catagagacc tttgttcttc catgcataa cctggagcga ttgagcaacc 60

tgaagcttat gctgcanata tatacaatag acctactcaa cctcagcagc acaatcaacc 120

acagcagant aattatgacc tctccagcaa cagatacaac catggatgga tgaatcaccc 180

tagcctcaca tg 192

<210> 1660

<211> 242

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1660

tcgacctgac tgttcaagat tctgtataac atanaagcct acacctaag atgacttcca 60

ttaaggaaga caacttcttg atccatgcaa ttgctatata cttaatataa aaatacgtca 120

acaatcatat acaaaagtta tctaacagat agaagaaaaa gaaataccat acttacatat 180

caagataaac ataacattag tgaagaattt tgaacagata aatgatgcc tattgaaatg 240

ag 242

<210> 1661

<211> 270

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1661

tagtttgt gtgaaagaat acatgttgc atattaaacc gtggagaatg tgaatgtatg 60

tatacatgtat tatgtatgt tcttaagaag aatanacaag gtcattatt cttcaagaat 120

aatacaagat tggcatca cacaagtct tgattgaaga gttctcaag atcaagcctc 180

gcctcacaat gagtgcttca aagtcattca aggcacatgt aatcgattac caatggttt 240

aaagtgtgta atcgattaca catcatatgt

270

<210> 1662
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1662

gtgcctagct ccttataata tatgtataat gataacttc gttattatng cattgtcaac 60
attgcattnt ctgtcatcat actngattat gaattttct tcattttttt ctttggcta 120
tantaacttt agcancttc ttatgggt agactaaatg gtgttgca ttgaaggttt 180
gctaactctt taannagtgt tctgacagat atgtattgaa accanaatat cctcacgatt 240
catttatcag catgctaaaa gggtagtgct ttaatatcaa catacctaca tattctngtc 300
tttgctttg ctntctcatc ttgantccag aaccatgtt catatcangc tagcatgaga 360
tcactaatac aaaccatatt tagaaaacta tacatgcata 400

<210> 1663
<211> 639
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1663

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cctatacant nctgagaagc gctaganact ctctagcata tctcttacac acattttgg 120
aattgctaaa atgtatagca caatattaga tcttatctat gacttacac atccttatca 180
ttattagtca attaaccaa taacaatgtt tgatcttactt agagagtatg tgctccta 240
atctntcttc tctctacaca tattatagac tacttattt tctccactaa agacactgt 300
tggatctctc acggatgtca attgcanatt gcattgaata tagacaattt acttgcatt 360
taccttatacg gtggtcgata ctatataacg actnttctt gttcttgccatattgnng 420
ccatangagc agcacaactc tggcaggaat gtacaatgtt ctacactctt ctggcattt 480
actaatcctt cttgtcatac tactgtatgc cagacatcaa tagcataatc tttgtacgt 540
ctctcagaat gtacttcang ctgcagcncat gacatgatattt attgaantcg cgcatgattt 600

aaacataaca agtctacact gctaatacac tctctgagg

639

<210> 1664
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1664

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tttctttctt gaagagtcca cagggtattg tancttcaca ctttcattca cagacttgctc 120
actcctacta ttctttgcag tcttatgact ttctgcctc cttatcattc tntcaactaac 180
tatgtcttn tctttatcta gcgccttcaa ttctatattc tagaccatnt tctgacacct 240
cttgtcttga ttactatngg atgacttggc aactatctgc tcggccagnt gtgccacctg 300
gacctcaaag ttcttcagt ctgactcagt gctttgcga tctgacatgt accttcataat 360
actgagtc当地 ggctccacca gctagtagtt tctggatatg taggtcgctc tgattgcctg 420
ttgacccac ttgtcttgcactgatgcag gcgtgcctc gacttgcata atgacctgtg 480
aacctggatc tctgagatac ttgcctgtga tccataatga tctgaggttc tancaact 540
g 541

<210> 1665
<211> 589
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1665

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cggttggact ggatacaaag actctggccc gtggattaat ttatatcatc aacaatttgg 120
cagatatgaa acagatgcct ccgattatag atgaattcat gcaaacggtg tataccaaga 180
gagctaattgc ttcatattt gcttaataacc aaaggactga acccaatgcc tcaacgattc 240
agaccatctc ctcattgctg ntctacaaat cgtggtaagc tgctaccaac agattgagag 300
aactatgtat ctattataga tgaacgtcga tctgcttcat agtcngaaga cacttataaca 360
cnagcgtgca ttgctatgaa gtgtaacgaa gcangatgga acaaagtatg ctgatattca 420

cgcgatttga agagctacga tcagttcatg gactnttctc tacatgctan ganggtgngt 480
ctgcaacaat gatactttga tganagctgc tatatctgca ccgtgtngnn gtttagtactg 540
aagtgtccac acanaaggtg tttccacaaa ggctatacaa cgtgaccnn 589

<210> 1666
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1666

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gctgatcata tgagataaag tcgtaccaac aaatgaacta attgtattaa ttgaatatga 120
gatacttaaa cgttattgcc tataatgtgc aactgattc atgcggcaac acgtaattga 180
cttaagacat gtcagctatg tcatgtgaat tctactctgg aatcatgaat tcttgggcta 240
catatacatg acttaatgta gcgaaatgaa acaatggaag aatctatgat gtctgttgct 300
gaatagatga ggacatgtgc gaaatatatg tacacaacgg gtgtgcaaat tggggaaaac 360
tcttactagt ttactttgcg ttaagtacat gagacgagct ttgtgtgaca atagtttcat 420
atgcatgcat gtttacactg cacttatga taatcaattc cn 462

<210> 1667
<211> 207
<212> DNA
<213> Glycine max

<400> 1667

agcttcgatc taaaatttcg agttcacga tatattacgc gactcactcg gacttacgag 60
tgacaagtta tttatcgtag aattcgctac tatcttctat tgtaaatatc cagcgtattg 120
atataattacg ggactccatc ggacttccga gtgaaatgtt attgtcgtgc aaaattgcta 180
ccagcttcgg tatttaatct cttagcga 207

<210> 1668
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1668

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gcttacgaaa aacgccattt cttctcctt ctttcttaca agccacttct aacatcccaa 120
gcactttctc catcacccac aaccaccatt agccaccacc aactatcggt gttctccatt 180
gaaacccac accgagagga accctctcac cgaagcgaa tcttctaact cggcttgcga 240
tttcggtaga gaacgaaacc ctaatctgac ctctcggttt tttcgaggt aaacataagt 300
ctatgctcgt ttcttgtag attcatcttgcgtt gcttgcatt tttctgact ttggaaaccgc 360
cattgtatgt cttatgcttt ctttgaaaaa ccttagagaa agagactttg ctatgtatc 420
ctttcatgaa atgcatgtta tttacgtac ctacact 457

<210> 1669
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1669

cgctgcatgc tntctacttt gagtagattt agatgaattt atcgcttatct catggactcc 60
tctaaggaca atagcattat ttcttgact gaatagatgg gagctggaag tcattttctt 120
aatcaaatgc cttagcctcag taggggtcat atcaacaaga gcatccccat tggcagcatc 180
aaacataacta gtctccatgt tgctaagtcc ctcataaaaa attaaagatg gagatgctt 240
aaaatatggt ggngaggaca acttgcacac aatttcttgcgtt 279

<210> 1670
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1670

tgctggtaca tacgacatcc tcacggatca gtaccaagtc cttgctcttgcgtt tgcaattctt 60
tgtaaaagga cacaatatacg taaggagccg cttgtgttcc cctggccttgcgtt taatcttcaa 120
gacctgtaga aaccatgtgt ggcgtctggatca ctgcaagaaa aaaacgaata cgtattgtga 180
gactacgatg gaagtgttgcgtt aaaaagaaaaac actcggata aataaatcat tctttacatg 240

tcttttaat aatatttcac gttctgtaa tagaaaattt gttaagagga agcatgtcca 300
taactatgtg cagggagaga tttagaattcg atttcttgat aggttaaggta tatccaaagg 360
gtgtcaacag tagtttatat gaatctagaa actgtccagg accttagtggc aaatattaac 420
atcttnat atatgttaact aanactgcat ctcttctcc aggctcgga 470

<210> 1671
<211> 391
<212> DNA
<213> Glycine max

<400> 1671

attttagtaa tgacccacta acctagagaa aaataaataa atgccattaa cctagggaat 60
taatactaac taaatggctg agtgtaactg aaatcggtgg caaccaaaag tcaccccaa 120
cagcctacaa gtcagtcacc atttggtctc cccaaaaggct gatgcctacg ttgccaattg 180
ggcccttatt acaacttgaa ctaaagccct cttagttgat taacccaaaa catattttg 240
gtcacccaac tttacaagga ttggccatt atttagacaa actaaacact ctaaaattga 300
aataaagtgg tgtcatttag tcctccattt gcgcattgat acaactcaaa ccttggactt 360
tctccttgaa cttggcttga ttcaaatata t 391

<210> 1672
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1672

acgagcgtct cgatatacta cggacataa tcggacatcc gggtaaaaag ttattgttat 60
ttgaatttgc tcatalogttc tgtttcaat tacgatcgcc tcaatatatt atggattca 120
ttcggacatc cgagtaaaaa ttattgcca ttgaatttgc ctacgagtt ccgatntcaa 180
ttacgagcgt ctgtatatac aacgaaaaac aatccgacat ccgagtaaaa agttattgtc 240
gttagaatat gcttagagct tctgtttca attacgagcg tctcgatata ttacggact 300
caatccgaca tccgagtaaa aagttattgt catttgaatt tgctcatagc ttctgtnttc 360
aattacgatc gcctcgatat atcatggat tcattcggac atccgagtta aaatttattg 420

cctgttgagt ttgctac

437

<210> 1673
<211> 451
<212> DNA
<213> Glycine max

<400> 1673

agctatgacc gattctcaac atcatgaaaa ttatgcagt catgtgagct gatgtagaat 60
atactttgat attgatggtg ttttagctgta cataaaaata taatgtatgg actagttaat 120
ttaaggcacat tacacccttt attgactccg tggtaactcg gagaatacac aagtatcaca 180
ttccttgaga gttgagaccg ctgactcaa gccagttgta actgtgaggc caagaaaactt 240
ttgagcaaat cctgttaggtg aaaagataaa gaaagatggt ttgtgtacaa tattatgcga 300
acacaaagga ttctgtacta taaagatggt tgaaaagatg aatacatatg tgatatgtct 360
atgttgcgag ctttccttat atgctatctt ctatgctata caacccgaat aattaatgat 420
ggaataaaaac agattaatgt actgttaatg a 451

<210> 1674
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1674

gagaatcaag tcgtccaagc attgatgctg aacacttcca catatctcg tttccaaata 60
aaccagtaga caatggaaaa acgcactcct tcgttggatg ttggtttatt ttgaaggaaa 120
atacttctca tatttccatt atctcttca tccaactttt acctttttt ttttcattta 180
tctatttctt tatttgttat cacatctctt ctacctttt ttccctcata tatcccattcg 240
atttttttt ctctctacct tcttttctt ctttaccttg naatctctat ttatttcttt 300
ctaattccacc caaaatgaga tatatgaata tgatcataac tctaattcaa attggacatt 360
gcaaactcaa atataattaa actcgactat tgcttaaccc taccattata gagtcgntaa 420
ctttgtacgt tacatttna tgac 444

<210> 1675
<211> 382

<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	1675	
agcttggagc ttggagttgc ttgcttgag gaagactaat atagctggta tttccaatg		60
tatgggattt ttatTTATgt ttatgtatct cttaaggTT ttgtaagaca cacaagtgtc		120
aaaagcttg tatttggTT cttatgtaat ataagTTTat attttaattt tggtgttagtt		180
aaattatgtat gtacttataat actaagtTTT ataatttagt aagataatga aaccacattc		240
aaatctccaa ctcatcacac gtgagttcca catcaagtat aaaaatgatc taattgagct		300
cttttgnga gaaaaaaaaac acaaaccata taggtatcac tttaaagctt tagtctcagt		360
atcagtacca aaattaagtt ag		382
<210>	1676	
<211>	156	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	1676	
tgTTTCCTgc ataattgggt atTTTGTGTC attntactct caattntgag tccaatttgg		60
gagaataaga gacctgagan tttagTTtag aaaatcagat gacattgttG atgatgattt		120
gtgatcatat ttgaaattgc agttacaaga aaatta		156
<210>	1677	
<211>	346	
<212>	DNA	
<213>	Glycine max	
<400>	1677	
agcgTTtatga tgaatcaaca atgattcaga ggtgtttga tgataacaat gatgacaaca		60
aaagatgatg aacaaaaAGC tcaagtgaat caaagaacat ccatctcaag atcaagattc		120
aagactcatg aagaaAGCCT acaaacaaga atcaagattc aagatctcaa gaatcaagat		180
caagattcaa gacttaagag attcaagatc tcaagatcaa gattcaagac tcaggattca		240
agaatgaaga gaaaactcaa tcaagataag tattaaaaag gtttcaaaa ctttgaatag		300
cacattagtt ttgacaaaaa ccttaccac agagTTTA ctctct		346

<210>	1678	
<211>	436	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	1678	
		60
tgcagcaa at tcta acgaca gata actttc actcgaa gt tcgatt gagt cccgtaat at		60
atcgac acgc tcgaa attt a aaccgaa gc tcata gcaaa tt cgaac gac aata actttt		120
cat tcgaa ag tctgatt gag tcccata aaca tatcgag acg ct caaa atag aaa acaga ag		180
ctcgtt ccaa attcga acga caata acgtt ttactcgat gtccgatt ga gcccgtaat		240
atata gaga c gctcgaa attt ana accgaa gctcgagca nattcta acg acaata actt		300
ttcactcgga agtccgattt agtccctgtaa tatatcgaga cgctcgaa at ttaaa accgaa		360
ggctcgtagc aaatacgaac gacaataact tttaactcgga aagtacgaat gagtcccgtt		420
acatattgag acgctc		436
<210>	1679	
<211>	299	
<212>	DNA	
<213>	Glycine max	
<400>	1679	
		60
aacatccagg taattccaca ttcaatcatc atggactatt tatacca agc atcactgggg		60
acaggcacaa tactctgtgc aaaacacaac tgagaatcgc agctttcat atacaactac		120
cccataaaaca ttttcttggt tccaattcca taaccgttgg atcaactcga aaattgtact		180
ggaattctct agtacataag tccacat tttt gaccgttaggg atctgctagc aaatgtccag		240
aacccgat at gca taccct tttcacaatt agccatac ac aagcatgttt ctgcactta		299
<210>	1680	
<211>	346	
<212>	DNA	
<213>	Glycine max	
<400>	1680	
		60
agcttagctc aaccttggct agcttagcgg accaaatcat ccttagatgc aagggttggg		60

cgcttagcgc ttaagactcg tagcttatcg catgaataga actgcgccta gcgcgaggct 120
tgcgcttatac gaaaggactt atttttcaa aaaatattt ctaagtatt ttcaagtccct 180
ttttccatga aattgaaacc cttatgttaa gcattcaaaa attggctgat atactcctat 240
gtacagatta catagcaagt tccaaatgtat caaatgcgtg agaaacccaa aataacacac 300
attgaaacta tggtgcctcc cacggagtgc ttcttaacg tcatta 346

<210> 1681
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1681

agctntataa aacagatata catattccct ttttctattc tttttaaaaa aatgaaaggc 60
tatatataga gagctagcgg gtgctatacg agtccaaccc agctttaaaa tcaaagtaca 120
ttaatacctt ctatctatct atttcccaa caaaatttca atgtgtctat atatgcaatt 180
atacattcag caatgatatt gagttacaaa gcatatacaa aaggatacaa agatgtcatt 240
gaagctgtga ctctcacgtg aaacaaagta tagagaggtt tccttgtaa atttttatc 300
gaatgaaatg gctgctgtga acgaacggct aaatggttat ttggaggcca tattgga 357

<210> 1682
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1682

taatgccgac ttaatccttg gagatgctct aatgtccgac tttcttgttt gaacatggat 60
tgcacaacgc ttcttgaagc ctgagtatag aagacgttct gtttctccaa tttagtcatt 120
ggcgcagttt agggaaatgtt attaacgatt gtcacgtgtc tattttgggt ctgtaaaaaa 180
gttggatatc cncaaacgtg catcgtatgt gtactaagta atgtgtata gaaataacgt 240
gccacagaag tactcacatt atgtttaacg tatctcaatt aatggaggag taaaatagga 300
atcattctac acacgtttac ggatgctatc anagttttt ttttatataat attttcagga 360
acctgaatga cactgaatta tcatttgacg tgtcagagag actatttatt ctaacattaa 420

tattaatgtt acactctcta ctatc

445

<210> 1683

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1683

agcttcttaa gcaagtntcc accagattct tacctaata catcattgca ctaaaaaaaag 60

aaagtagcat tgtgtattta tcgctataatc ttcgtaaaa gttttaaaat ttttggctca 120

tgtatatact atttatttgt tctaacaagt tagtatttgg agcccaaaaa attatagtac 180

cattttagtga tcttagaggt caagaaagga aattagcata atataattca agcaacataa 240

tttgaggaa aaaaggttga gaaaataagt gaagcaagaa ttagcaatag ataagttgca 300

accttggata ctaggtntgg tatgaattgg gcacaatagt atgaatcatt atatatattc 360

attggtcact ttgctaaggg tcatgaattt ctttctatac ccaacataat ttcttctaca 420

<210> 1684

<211> 468

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1684

cgtgttatg cactggcgt tcattgccca naaaaagtat atatgagacc ctacatgatc 60

tcattttct tatagtatct ttcttaaaga gaggttaatt tatttttct taaaagtact 120

tccatattaa tatkacacat gtatctataa ttacttatct agttatcatc ttatgacaca 180

aatccaatgt ttaatgtaaa atactgaaga acacaaaggg aaggtgatga gttgaggctg 240

aggccccctc tccaactaaa gtgatgaggt attttaccac agaaaatctc acctgtcgat 300

caccagtcct aattctttg attatngga aaaatggtag ggtcatggga gaggggtacc 360

acaggttca ct当地cacgtg aattgggttt cccaaatgca attcagtgtt gaaggataa 420

aaaactgaat attaataact aaataatggt gaaaacaaca aaatttagc 468

<210> 1685

<211> 434

<212> DNA

<213> Glycine max

<400> 1685

gcaagcttac agaaattaaa gtcttattaa gtttagtatg accactctaa ccatccaacg 60
atagacactg tcataccaat taagtaagcg cgttagggcaa tagtgaatga ataaagacat 120
acgaaacctc atagaaatta aaactctctt taagttcga agagatagta tggtcatagt 180
taaaaaaaag aagaagatat gaagcttcac agaaacgcta taagcttaag cctgtataag 240
ttagcttgggt tgattagaat ggagacccaa cactcctcca tctacaatca tacaaacctt 300
tattctaagt tctgatggct gtgcgatcat tctcctacga tgtgttcctc agcttccgag 360
ggaaagatac tcgttatggc ttcactggct atctctacaa tgtcctccgg gaaaggaaaa 420
ttgacacacctt catt 434

<210> 1686

<211> 222

<212> DNA

<213> Glycine max

<400> 1686

tgtcagaatc tggcatatat atatcaacat gaccctttt aattaaataa atatattata 60
ttaataaaaa agcccttagt tgtcttgct taattatttc ctttatattg taatctatct 120
ccaaaaaaaaagc cctttaatt cctaaatcat atccttcaact gaactgctct aacatcaatg 180
agtaaacaat cctcgatcac tgcttgcctt ctttctactt tt 222

<210> 1687

<211> 318

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1687

agttcacaa catccaggtt attccacatt caatcatcat ggactaacaa aaccaagcaa 60
aacagggcaa aggagaaaaa ctctgccaa aacacaactc agaatcacag ctttcacat 120
acaaataccc cagtaacatt tccttcgttc caattcgta accgttggat caactcgaaa 180
attgtactgg aattctctag tacataagtc tacattttga ccggtggat ctgctagcaa 240
atgtccagaa ccccatatgt actacccttt tcacaattag ccatacacaa gcattttct 300

gcacttatac anaattct

318

<210> 1688
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1688

gagctcacac aacatccagt gaagtacaca ttcttatcatc atggactaac aaaaccgagc 60
ataacaggc aaaggcagaa aactctgccc aaaacacaac tcagaatcac agctttcac 120
atacaaatac cccagtaaca ttccttcgt tccaattcgt taaccgttgg atcaactcga 180
aatgggact ggaactctct agtacataag tctacattt gaccgatggg atctgctagc 240
aatgtgcag aacccatat gactaccctt tgccacaatta gccatacacc aagcatttc 300
tgcaattata caaaattctg ctgcacattt ccaacaacan aattctgcat aaagtgcaga 360
tttcgaagac cactctgtcc ctcatccaaa ttgccccaaa ttgaatccta caagtcccaa 420
atcatgtatg aatcatgtct aaacc 445

<210> 1689
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1689

ctaagttct anaagacttg tgtaatcgat taagaataga tggtaatcaa taaaaacaaa 60
gagttatgca ctgaagatgt ttcttaactt agaaaactatc ttcctacttc tatatggta 120
tgcatgatgt acacatagat agattaagac taaaaggcaa caatcaatac aaatgtcact 180
cagtaaggag ttggcatgt aaaaagacaa aactcttc catgtatct tcatgttgct 240
ccccttatct ctaacaatct cctcatttc aactttgaag atgccaaact ctaattcca 300
ttgagtgcat ttggagaggc ttgagatgt agacttatct tatgatagac ctgaaaatga 360
ctaaacacta tggtaagag aagtgtaaa tcataatcatc atcataatag agtggtaaaa 420
taaatgagtc aaactgtatg tataaatgca atacttc 457

<210> 1690
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1690

agctcgccct caacttctga tgtaaccatg tctttccat tcgcattggaa ctctctata 60
gacatgctcc catcctcaact ggactccatc aatcatctcc ctccaacctg cacacacaca 120
cacccataa ccacccttc cacatatgtt ccaattttt tttgttaaccc ttcatgctt 180
cgatgccatt gcacactcgt aattcacatt tcagaanagg ctaaacaaaa actcatacac 240
acatgttcaa aatttcaga atcacaaga agaacacagt tccccatttc acacggcatt 300
gctcaaaaact gatccttagca atgccttatg gcttatacgtt ttcaactccc tgcaaaaact 360
cgtnntggtg aaatgggtt ccatgataac agaaaaatca tc 402

<210> 1691
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1691

tcggtagag aaaatctaca acctaagag tacccgtgg cattcaacac tcggtaaac 60
ttgaaaatct cactctctgg ggtgtccaa ctgaagttaa gcagagcatt gatcccaatg 120
gaggacaaga gcattggatg atccaacatg tgccctacgt tgctattgct gattcgat 180
tggccagag attagaagaa tttctagagg aggaaaggat gaagatatta ngaattagaa 240
gatatgttct ttccctttgg taatatttct atagattgtt aattttgtcc cttattctt 300
tttcaattat aaaaatgaaa ctgtttctta attactaatc tgatttctt acttttgtct 360
cccttcatt actttctt gtctacatat ctcccggttc tcatagaagt tagagataaa 420
atngtcttat agc 433

<210> 1692
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1692

agcttgaagg anaacttaat gccttggtca acctagtaac ccagcttgcc atgaataaga 60
aatctacgct tggcaaga gtctgtggtc tatgttcttc tgcagatcac catacaaatc 120
tgggtccttc ttttagcaa tctggagtca atgagcaacc tgaagcttat gctgcaaaca 180
tttataatag acctcctcag tagcaaaacc aataacaaca gaataattat gaccttcaa 240
gtaatagata caatccaggt tggaggaatc atccaaatct gagatggaca agtcctccac 300
aaaaacaaca gtctgtccct catntcaga atgctgctgg tccaagcaag ccatatgttc 360
ctcctaata cagcaatagg aaccacaaca gtcaccacaa 400

<210> 1693

<211> 480

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1693

gcttctaagg cactttctc aagaaagctt ctcaaggaag ctacctagtc tataaataga 60
agcatgtgt acaacttgtt taactttgat gaatgagagt cttgtgagac acaactcana 120
gttcaacttc tctccctttt tcttccttca attcgtgct cccccctctc tctttctctc 180
cctctttctt ttccctccatt gaagcaccct ctccaagctt cttatccaag gctcatctt 240
gtgggtgaagc tccttcttcc atggcttatt ccctagtgg tggcgctcc ttcacacccc 300
tctccttgc cttccgctgc atctccatgg tgaaaatca ccattaaagg acctcattga 360
agctcanaga tccagcctcc atagaagccc cacaagcaag cttccatcac gggcggcccc 420
catgatgtgc aaattcaaaa cgagcacgct ttcccgccat atggctggcc tctcaactat 480

<210> 1694

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1694

agcttgctca ctagctttc actttcattt gctttgacc ttgttacatc aacacacttt 60
attctttat tttcttttt ttaacataca acttgtgtgt tgtgtgttt gatgctttct 120

ctctttcttt gcatccaat tagttccact cccccaatt tgggttaaat ttgctttgaa 180
ctatatgctc tcctagaatc taaacaaggt atcaggagat aattattnaa gttcagggtt 240
caatttatga caaaaatcatt cagctaaaa aggtgcaaa ggatataatt atcattcaag 300
gtaagcttt tggtcaaaag gcttggtat gtacaatcat ggccttcattc atgttctcg 360
ttatacattt cattctaaaa attagagaat catgcanaga ttattactca cagctagtc 420
ttcactca 428

<210> 1695
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1695

gtagctcaa tgcaacgaaa catgcttatg gcttaggaatc caaaatttgg ttttaggatt 60
agaaaagcat gaaaataggg atttgttgtt aagaatttgg gctgccccat gattggtaact 120
tcgcacctaa gtaacgtggg aaatgctttt caatggtgtg tagatatatg tgtaaatata 180
aaggcatga aattcttgtt aaagggtgaa ggaatattga ggtcccttcc taaatgaatg 240
tatgataccca cgggattccc tttgaatgc aagtatgtgc ataatgttaa atatctgcc 300
aatatgcata agtgtgagtg caacaatgaa agtttgtatg gtatatastan tttgagtgtg 360
tgtaagttagt ttgtgatagc aagtgtttat gacatagttt agtgtaaatt ttgacgcaat 420
gccttaagcg tgagaatgtg tgttctttc aaaatgcata ta 462

<210> 1696
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1696

agcttggttc gaggtactta cccgttgaag atcgaagaac gatgaagatc gaatgaagaa 60
tgtcgaagaa cggtcgaaaa ccttcgcgaa attcctcacg gaaaacgtta cggaaacgtt 120
tcggaaccgc ctcggcttac atttcttca cgaaaacaat ttttccaagc aaattcgaaa 180
gagagagaag tacctaaggg gctgaaccct ttttcttcc acttcctccc ttattnatag 240

cacaataggg gaggtggttg ccgtccagct cgcccaggcg agccaggttgc 300
aagcaacagc ctctggagg aatattctgg agggcccaag tgggcctggg tgctatctgc 360
acccccattn ttactaagta caccccttc tgctttttg gggattctt tccgaaagta 420
ccgatcatac gactntcata cgataacttgt ttct 454

<210> 1697
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1697

tataaagaga catanaataa aggaacagag ggaccgaatg tttgtggaa agaagggtct 60
ggtgctgcct tctttggta tagtcctgca tcttagatgta tccactttga tctatgacca 120
tggtccacac tctatactac tccataataa caaggtcatt gcttgcaaa tttgtataag 180
attttaatt tgtaaaaatc agttccctta gaacaagagc atgattaatt ccgtgtaaca 240
aattgtgtta gtttagtggga gaaggctntc ttgttggta tgtggttctg atttattatg 300
atgaaataaa ctgcttctcc tgcaccccttag ctaatgatag tggtaggttt attggctaaa 360
cttacgtttg tggtgcattt gagggactnt ggcgatgtat ttgtttccc aaatacaagt 420
ataatggagg catctatg 438

<210> 1698
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1698

tagcacatca aattatgatt tcataaaaat aaacgttatg aaataatttt aaatttaaaa 60
gttaacataa tacttataaa aaaaataaaaa ataatgaaac ttttaaaatt tagtatcaaa 120
gtgaaacaag acaaacataa tggatcaaaa ataatattaa atctttttat ttttttattt 180
tttcacctct cactcaataa taaaaatata attctattac aaatgaaaaaa gttatcctan 240
aatatgtcatc tcattatata cttttacgac aaaattatat ttttattttt attttat 300
tttcacttct catttaagca atataaacat attttcatta tatttccatc aaaagaataa 360

tttcaggata cgattaanag gcacattata tttccatcan aaagataatt tcaggatacg 420
attaanagac acccagatga atagtgc当地 tagcaactcc ccc 463

<210> 1699
<211> 234
<212> DNA
<213> Glycine max

<400> 1699

actctcatca atcatcttc tccatcctgc gcacacacac ggcggataac cacccttcc 60
agatctgttc caattttta tagtcaccct ttcatgcttc gatgccatcg cactctcgta 120
attcgcattt cagagcacgc tagcctaag ctcgtgctca cttgtcctac atttcagat 180
tgacatacat taactcacat cgccgtttac acagtattgc tcaaagctga tcct 234

<210> 1700
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1700

cggcaagaca acgcacacgt nctctnntt aggtccttg actnttgaat atatatcatt 60
tgtccaatca gtagaatctt gggtgcttg taaatttgc gaactctctg cttcaaccat 120
tttattttt agttcatcct acataaatac accttataaa ttattatcat acatcaatat 180
cctgaatact tcaatatcac taaacaaaac tcatactccac attagttact cccccctcacc 240
ccataacctt ctattagaaa attgagcaa acaaagaana agtattgaaa taaaaattaa 300
aattcttaca attacaatag cagcctttc agtaataatg cttccatctt ttcgagttcg 360
agtgtcaata taaatttctg ccctagaagg ttgcacttcc tttagcccttg tagtctaaca 420
ttagttaaaa aaatcaatca tcctatttg attaagcaat ttaat 465

<210> 1701
<211> 413
<212> DNA
<213> Glycine max

<400> 1701

agcttatgcc tctacagcgc caacttcatt gttaatcacc taccacaaat ctccacccca 60

gatcttgc ccaatcg ttca cctcata ctgc gttc ttgtg gcaatgcca aaactccg tggcc 120
aacgccac ctgtt gactgcca ggtactctct tctccaaatct tatacacact cttcacacctat 180
ttttatttaa ttctgtatgac aattgcagca tgggccatat gagtgcttgc tgaacacaga 240
tgacgcctgt gcaattcaca tctggcctca actcgtaagt aacaattgct gtgcctttgc 300
ccctgtcttt ctttctttct tttttcttta ttctttgatt cgggatcaga acttaagaat 360
ggcttttcta ttattataat attatgttat tattacggat tattcagcat cga 413

<210>	1702
<211>	329
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 1702

tgatncaa at aggaatgag aaaaggata gtattttta gaagttaaa tatgttgtgn 60
tttgntatt gntaaacaga ttgttggct gcatgaaagt tatactaaaa taacattatt 120
ttgttaattg gtttataatg ttgactggac agctgaaaaa ttaaaaactgt ggagaatgtt 180
taaagttta atttatatgg atgaataggt ggattttaat gatatatgag gtatcgatta 240
atgatgtata gattaatctt gtttataaga atgattttaa tttgggtttg aatagagtaa 300
agacaagaag aaattttaat atttttga 329

<210>	1703
<211>	401
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 1703

agctttgatt tccttgcgttc cggnanacccct tcttttctca tgtgcacccca aacccaatct 60
ccggggttcga agacaacccct ctttctccct ttgttggtt gtttagcata gcttttattt 120
ttcctctcaa tttgatcttt gactctctca tgaagcttct tcacatagtc cgcctttgct 180
tgaccttctt tatgcttaaa aacagaaaaca tttaggcata gcaaaaagatc aagaggagtt 240
agtgggttaa aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaatagct 300
ctattgttaag caaattcaac atggggtaaa caagcttccc aagttttaa gttcttcctc 360

aaaactgtcc taagcaaaga tcccaaagtc ctattaacaa c

401

<210> 1704
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1704

tccagattgg tataccatgc cactgctgct ctggctaagg tgtcttggaaa gaaatgcac 60
aacagctttt cgttcgtaga atatgcccccc atctttggc aatcacatccg aagatgacct 120
tttggacatg tcatcccttt gtatttatca aaatctggta cttaaactt gggaggtgtc 180
gcaatatgcc cttttgcggg cgagtgaagg cgtggctcac gggtgcgcctt tccaaaggaa 240
gaaagatgctcg cggagtcacc accaacgttt atttgtggaa aacgtcgaa aaaccgaagg 300
aaaccggctcg aaatgaaaat tctaagttcg ggagttgtat ttacgtttga ggaaggtatt 360
agcacctctt acgtttgtct cataggacaa caacctattt ttcagaattt tgaaaattgt 420
gttatcttaa cttttagttc tttttat 447

<210> 1705
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1705

agcttgaatn tgcatgatgt tgttattgt actactacaa aaaacagttt taacatcgcc 60
ttattaacat tggtttgtc caaaaccgat gttaagttaa acgcggtgac atatttgtaa 120
ataaaagtatc cttcttaaca tcggtttttc caaaaaaccg atgttaacta atgatgttaa 180
catcggttat tgaaaaccg atgttaacgt atgataatgt aacattgatt tttggaaaa 240
ccgatgttaa tgcatata 258

<210> 1706
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1706
 ntagcttctt taggaatctt ctcaggaggt gatcttagtt ataagagggg tgtgtgttagc 60
 taagctctag cttcccaagg aagtttctc acagaagctt ctcaaggaag ttntctcaag 120
 aaagcttctc aaggaagcta ccttgtctat aaatagaagc atgtgtaaca ctgttgcac 180
 ctgtatgaa tgagagtctt gtgagacaca actcaaagtt caacttctct ccttatttct 240
 tccttcaatt tcatgctccc ccctctctct ttctctccct ttttctttc ctccattgaa 300
 gcattcctctc caagcttctt atccaaggct catcttggtg gtgaagctcc ttcttccatg 360
 gcttattccc tagtggatgg cgccctctct caccttctt cctttgtctt ctgctgcattc 420
 tccatggtgg aaaatcaaca ttaaaggacc tcattg 456

<210> 1707
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1707
 agctttntga acaacgttaa ggggacatca tgaatgtgcc cttcaatcca aaaacctact 60
 aaaaatgaat ctgaaatcca caaataatga accaacaaca aatctacaca atttgcaagc 120
 aaggaaagat cacaaggcta cgcatcatca ctccaaattaa atgtctcgac aattaaattc 180
 aaacttagata acctcagcag caacagaatt caaattcttc gaattggaac cagaaaccac 240
 atcctgttcc gaagtagtct cactctgacc taaaatctgg ctttactca agcctaattgc 300
 atccttgctg ctccaaacaag gccggtagacat attcctccct cttatggaat atcttccact 360
 cc 362

<210> 1708
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 1708
 ntccccacat aactcttcca atctttgatg gagagaatta tgatcttgg gaagtgaaaa 60
 tgcaatccta catggagtct ttggatttat gggatgctgt ggaagaggat tatgaaatat 120

atccgctgca tgaaaatccc accatgtccc aaattaaaaa tcacaaggaa agaaagatga 180
agaatgcaaa ggcgaggta tgggtttca ctgggtttc acaaatgata ttcatcgaaa 240
tcatgactct taaatcaccc aaagcaattt gggattatct gaaagaggaa tacgctgaag 300
atgatagaat acgaagcatg caagtgctga attaaggag ggaatttgag cttcaaagga 360
tgcaagagtc agagacaatc aaagaatact c 391

<210> 1709
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1709

agcttataca cgaaaaatgt aattatgaaa ttgagatgcc cgaagaaaaca ccatttccta 60
gttaaccatg cattaggtac catgttcaat tattttgttt tgggttgtg tttttttttt 120
ttttgttaga aatgggttta tgatccaac atgggtggct catgggcct aacacatgca 180
actaagaatg tagtgtgaag tttcacgctt cccctttttt gttttgttt ttagaggaa 240
aacgcaagga ttagccaaca tgaaaacaaa tggtatgcaa tttgcagat caaaaagttg 300
gttgaacgca tatgcatgat gatgccatga ctcatgaaa atgtgagcct ggaatatgat 360
aacggacaaa tgcaggaacg atatgttcat tatgatgtta tgaagagatg cttatgcgat 420
gcatgatatg aacgcattnt acggacacg 449

<210> 1710
<211> 439
<212> DNA
<213> Glycine max

<400> 1710

tatgcgcaca cttctttacg aacattcaact tgccacaagac attcttataa ctaagaaaaa 60
tgcaccata tacaatcaag gcacccgt tacctagatt atttacatgt acttccaagg 120
tgtattttttt acctacatca cacacatttc cttgctaaa ttcacataca tgccatactct 180
aagcactttg gctatcaaaa attgcatacg tgccatctt ggtatttcta atacctatac 240
atacacaacat ttcatgatga atcttgacta tctacacaat aaagtgctac atttcatgct 300
tttttcaagt gttttttttt actacctaaa gccgcattgca aattcaagta tattttctt 360

tgctcactaa aattgttattc aaataaaaag ggtatTTTgt aatgtatTTT ctttacataa 420

catgcaacat atttataga 439

<210> 1711

<211> 305

<212> DNA

<213> Glycine max

<400> 1711

agcttacgac cgcctgaaag acaattacac atcactatcg ggaagaacct tatgtacacg 60

ttttttttct aacatacatc cttgtatcat gtgggcataag aatgtggttc tggagcacgt 120

acgttctatt ggagcacggg atcataacca cgcagcatga ttttgcgaaa actctaggta 180

attgtcttca gctagctt ggtcacacga actgcagcgt ccatacatta aaaataactt 240

acatgggatt cttttataca gaaaaataga agaactcatc agttctatac tttagagcggt 300

aatga 305

<210> 1712

<211> 478

<212> DNA

<213> Glycine max

<400> 1712

gacactatca aactgaagct cgtgtccagg aggatatcca tgTTTCTGta acattcatca 60

acaatgtgat ttgtgaatcc agaatgtgta caaaccttgt ttccTTTccc attagaactc 120

cctctgccag agcctccttg gctacttctt cctcctctag aagtatagtt tggaggaaaa 180

ccactttcc tataacatct gcccaactgtg tgattatctc cacaaacatc aagttgaaca 240

aattgagctt atctttcatt gactccgcta ccacattagg cggcaccacc gactcTTTC 300

cctctagcat caaaatgtgc agcatcttac tccatgagct tctttgatag agttacagt 360

tatGCCCCAC ctTGTGCGG GTTTGTGGA accaattatc atttcttca tccacaatgg 420

atctccattt acatgcctct tgtcctatgt atcttagaat attcatcata aacacata 478

<210> 1713

<211> 592

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 1713

cgctcacgtg gntcgattt ttgggtgtntc ataatatctt accgtgcgga tantcnnnnc 60
cacaaggggc ggggtggatt gaaaccatga agccctgcg ganacctgna gtcctcccga 120
gngcatccgc ggcgcgtgtca caaagttcct cgacatgcta gagcccattt acacacactc 180
tctctgtatgtca cgaagactcg ggcgcgttag acgctcgattt aggaagatgc ctatagaagc 240
tagagcttag ctgcacatac ctcttaata gctaagctca ggcgcgttag atgagacgct 300
cgagctgagc tacgcaccccc ctataatagg tagacgcacc gccgggacaa aagacatggg 360
gataataaga gagatgggct tagtacaaag acaacgcaga atgccgcgtta agacaaggct 420
aacacccgat actccttagag tggcttttagt gatgcgccta ggcgagagaa atcctattct 480
aatcatgacc tccaaatgacg gctcatctct aagccatggg tgcataatctc cgtacgctga 540
tggagacgga gcgcgtgcctg gaacctatcc aactcagtgg aggtgaacca gg 592

<210> 1714
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1714

agatgaggaa gtgttgaagg gtgaaacttc ctgcttttat tggaccac agagtggta 60
ctggagatat gtcgcggngg tcacgagacc ttggggacgt caggtgggt gctattgcc 120
aaaaccaagc ttgaccaatc ccgacccaac ccgggcatacg tcggtcagtg agaacctgt 180
atgtacctaa gcaggcgagc tcctggcagt caacagataa tagaaaaaca agaccacaaa 240
gcaaggaggc ttgtggtggc tggccagctg tgaattttgt gtaatatgtg gattgtggcc 300
tctggtaatc gattaccaag ggtggtaat cgattacaag gctaaaaat gaagacagga 360
ggctaagatg gtctctggta atcgattacc acggngtgtta atcgattacc aggcttgaaa 420
a 421

<210> 1715
<211> 448
<212> DNA
<213> Glycine max

<400> 1715

ctgcatgctt actgccatcc caaataattc tcatactact atctcataca attcccttagc 60
gcgattgcta cttccccac cacaaatgcc atcgaagaac acaatgtgta catggcagat 120
tttctccaac tcctcatata atgtccactg gaaacgcattg atcaccacca ccacccacca 180
acacgcttca ccttcctact ttccccccc ttccatgcaa gatttcctc gccagggttc 240
cgattcctca ttcactttt ctaccccaa atacattttt ttcctttcc tctgtttca 300
ttttaccaat attttatctc gcaggcactc caactcttcc actccaagac gacgcccgtt 360
ctcgaggact agctaattgct ttgcccgaac acgaatccat aatttaatta attattctaa 420
agcctcgaca ttccctttat ttttata 448

<210> 1716

<211> 469

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1716

cgcttctaca tttatcacct ttatagatgg atgttcgtga tatatgaata tttatggct 60
tcataacaaa aataaagcat tggatccctt caaagtcttt aaggctgaag ttgagaacca 120
atgtggtaag aaaataaaaa tagtgagatt agatagaggt ggagaatatt atggcaaata 180
tactgagaat ggacaagcac ctggtcctt tgcaaagttt cttcaagaac ataggattgt 240
tgcccggtac actatgcctg gttctccaaa tcaaaatggt gtggcaaaaa gaaggaaccg 300
aacattattg gacacggtac ggagtatgct tagcaactct gatttccta aatccttgt 360
ggctgaagca ctaaagacgg cagtgtatat attaaactat gttccaaacca aggctgtcca 420
aaagacacacct tntgagttgt ttaaagggtt aaaaacaaagt ttgaaacat 469

<210> 1717

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1717

agcttgcac ccagctcgcc cagacgagca ctgctgcttc ttccataaagc aactaccttc 60

tggaggatat ttccggaggg cccaagcggg cctgcttgct atatgcaccc tcattttac 120
taaatacaccc ccttgcctt ctgggtat tcttttcg taaagctacg gaaacttatg 180
gatttcgcaa cgatacttgt ttcattctg taacgtcaca gaacctgctg gatgacatac 240
tcatccctt ttttactta cggaatgtta cggaacctca ctaattgtgc aacgatgctt 300
cctttgatt tccggngtgc cacggaacct tacggattgc gcatcaatac ctcttttga 360
ttaacggcat gttccggAAC tttacAAATT gcctaattgat 400

<210> 1718
<211> 76
<212> DNA
<213> Glycine max

<400> 1718

ttctctgcga ctcattcatg aatcataaac acttggaaatc atagtggttt ctttcatttt 60
cctttctgc ctat 76

<210> 1719
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1719

tgctcaccac tactagagga gaagccttta ggttggttca tataaacctc ctcttctaaa 60
tcaccattaa gaaaagctat tttcacatcc atttggtgca actcaaggc AAAATGAGCA 120
actaatgccca agattatacg aagataatct ttcttagata ctggagaaaa agtctttgtg 180
taatctattc ctctttntg agtaaattcc tttagcaacaa gtcttgcctt gtatctctca 240
atgttgccctt atgaatccct tttggcttta aaaacccatt tacatccat ggcctttgcc 300
ccattaggca tctctacaag gttccaaact ttgttactct gcatagaatt catctcatcc 360
ttcatgacat cataccatan nattgactct ttacaactct nggcttgatg caaaagttca 420
ggatcatttt cagctccata ttatagcata ttcta 455

<210> 1720
<211> 427
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 1720

ctctcanagc cttgagacta cacatcatcat aaacaacttt ctatctcc tcctcagttat 60
atatttctcc ctaacatctc aatctcctct tgaaccaaaa ctgtaaattt acctcttaag 120
caaaaagggtt aataatctgc cacttcagtg aataaattcc tatagaaaga agtcaccatt 180
tcttctaaat ctatcgatt aagcacccaa tagccctttt cattcaatag cctagcatat 240
aagtttagatt gcttcttaa nagagtggtg caatgaaagt aatgagaatt ctatctcca 300
aatttaagcc acttgcacca agactttga aaccacaaaa cttcttgaa caatatctgc 360
tctaactccc cacataaattc ttnttgtagc cttaaatggc acttatttac cttaatcctt 420
caacttc. 427

<210> 1721
<211> 366
<212> DNA
<213> Glycine max
<400> 1721

agctttgatc taccaccatc gccgccacca ttattttagt tcttctctta tttaatatt 60
actagtactc tgatttccag ccgtgtattt ggctatatta ttatgacatt tgaacaattt 120
agtatttctt tatttgcattg gtgtgtttga acaattatga attatgttat gtgactatgt 180
gattttcta tatatttgcattg ctggcatgt ttcttgcttc atgatttagtt tatattcttc 240
catgattgtt gtgtgaatga ttagttgtat tagtatgttt catactcggtt acgcactttg 300
gcttttggatgcaagggg ggagagaata gggattaaat cacgactcac atgagtaata 360
acttaa. 366

<210> 1722
<211> 173
<212> DNA
<213> Glycine max
<400> 1722

tacctcatgc actcctctaa tgactatggc atcatttctg gcactaaact gctgagaagt 60
ggaacccatc ttctcaatta aatttctgct tcagcaggag tcatgtcttc aagggctcca 120

ccactggcag catctatcat acttctctcc ataatactga gtccttcata aaa 173

<210> 1723
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1723

agcttgcttg tggagcttct atggaggctg gatcttttag cttcaatggg gtccttaat 60
ggtgatttcc caccatggag atgcagcgga agacaaagga aaataggta gaggaggcgc 120
catccattaa ggaataagcc atggaagaag gagttcacc accaagatga gccttggata 180
agaagcttgg agaagatgct tcaatggagg aaaagaaaaga gggagagaaa gagagagggg 240
ggagcacgaa attgaaggaa taaaagaggt atagaagtgg aacttgaag tatgtctcac 300
aagactctca ttcatcanag ttacaacaag tgttacacat gcttctattt atagactagg 360
tagttcctt gagaagctt cttgagaaaa cttccttg 398

<210> 1724
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1724

ngagatgagg aagtgttcaa gggtgaaact ttctgctntt attgntgacc acagagtgg 60
acctggagat atgtcgcggn ggtcaggaga cttggggac gtcaggtgg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccaccca acccgggcat agtcggtcag tgagaacctg 180
tcatgtaccc aagcaggcga gtcctggca gtcaacagat aaaagaaaa caagaccaca 240
aagcaaggag gcttgggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300
cctctgttaa tcgattacca agggtggta atcgattaca aggcttataa atgaagacag 360
gaggctaaga tggctctgg taatcgatta ccacngcgtg gaatcgatta ccaggg 416

<210> 1725
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1725

agctntctca acaagcttct ttgagaagct agatccttat ctatccacac ccctctatta 60
actaaattaa ctcccttaaa aataattacg gatgaaaata acgcaacaaa taatcaaaca 120
tcaaacataa ttactaacaa tatatacgata tatatatcag ggtgttacaa ggagtgcatt 180
ccttgcaagc taccttgaa agagcccatt atttatcaac aatttttaga ttagccttgg 240
ttgcttttgt ttttagtctt cttggaactt cagaaaggat aactagtttc ttagctacaa 300
gtgttgctct agccttctta aaagcaagag atgcttgctt ctgagtattt accttccttt 360
tctgtagaac aagttgaaca ttatcaacat cgttatcctc agtttcaattt cagttttca 420
acttctaag 429

<210> 1726
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1726

ntatatacgac ttcanagctn tgatccattt agagatctca actagccgt gtctaatagg 60
ttaggtgctt tacacgaggc atgttattat gcagagagag agtgtggac cacaacatc 120
ttctgcagtg tatcttcata gaagtacaac ttgtcagtgt cgccttgc tcaaagttga 180
cttttagcat acaattcaaa tacaacgtta atagcatagg acaaaaggaa taaagaatgc 240
aagacaagac aatttgaac ttcccttta tgcactatgg cacaattgc ttactgaacc 300
atggacctta ctttctgatg attatttcag aacttgagta ttaagtaact attccatttc 360
ctttggacta tgagccaagt gctaaagcac ttgtcttctt agaactggc actaaggcaa 420
tatcatccaa tggctaatac tttatctatc gtccaaaggc tntctactcg 470

<210> 1727
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1727

agctnggatt ggattggctc gacgaggatc gatgttagt aattnaggct acaacataga 60
acacaaagca tgattgatta gagaaatata tttatatgca ttagcttggtt tgtagaaaag 120
acccaacatt tctacctact gctctcaacctt ttacttacct tgcattttat agtttttagc 180
ataaaaggttt agtttaaattt ctgttgaaa ttatcaatca tacatgttct ctcacaatg 240
cttcatttat gaacttaact caggctaaca ttagttccct gtgttcaata ctcagattca 300
tccgttnaa ttnttaataa cttgatgatc cggtgtgctt tccggcaaacc cgggtttccc 360
atgaatataat gtgtacgaag aataagtgg aaaaaaagta accgcagggg aaatccaaca 420
aagtgttaatt ctcanaatgat caaagntcaa aaaatga 457

<210> 1728
<211> 450
<212> DNA
<213> Glycine max

<400> 1728

tataagaaac agaatgccta aatcatttcc aaatatgcat gtgaatttagg aagcataaac 60
aagaataaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaaagatta 120
tcatgtatggaa tggctcaaattt tcttacaaag gtaaacttat cacttcaaa ttgagcttcc 180
aaaactatca tgacatgttag aggaaaaaaca atgatttcaa atcacaaaat gtctagagac 240
ttttatTTTC agaacaatta cccatttctt gaacatatcc tataattcaa agaaaaatata 300
gcaaagggtt acatgcaaac agaattgacc tataatatta aactagagac ccaacaaaac 360
taacaaaact aataaattta acacaaacta actaaaaaaaaa attactaaac ccaaaccaaa 420
gaacactctc cccataactta aacaacacat 450

<210> 1729
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1729

ataataatata aatataatata tcctaattgtc acatcctatc agagcggtgtt gttcccggtt 60
cctctagcat gaggttcttc atagtcattcc acctattcat ctactccccca gaacacaaaag 120
ttcaagatca ttacaggatc taaaacacaaa caacaaacta ggagttagttt atcacattcc 180

taactactag agagaaataa gacaacatat agtagtcaa tacaatttc ttagcatatc 240
tcacatttt tcatcactgt gtcattcaa atatactttt caatcatcaa tcacaataca 300
caagaatcac acactncat caagacataa taacacatca atttcataat atacaattag 360
caagcgtagt caacagttat gctaagactc aagcctataat tgc 403

<210> 1730
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1730

cttgcttaac tcttgattct ttggcatcat caaaataatc ttggaaggca ttgcttcac 60
aaaactttat atgaaactac tcctaggatt tgaaggatgg aacaataata gtgtgtatag 120
tcagaattcg tagttaaaga ctttggcag ctacaacact ttcctgtat ggaagtgacc 180
agaagcagga aaggtatttt catctccaa acgaagtaca ctattgattt gcttaaagaa 240
atagggaaac taggaagcat acttacagta ctatgaaata caccatnta tgaaatagta 300
tactgaaata taaatccagc tgctctaaag gtttattatc ctaaggcagct gtttagtgcta 360
ccaacccaa ataactttag tggatgact attatattga agactatagg tacaagaata 420
aataattatt taactntagt gggatgatca t 451

<210> 1731
<211> 311
<212> DNA
<213> Glycine max

<400> 1731

agctatcagc tagtcaact cttcacaca gtggattcta tgctgaaagg aacaaagaat 60
caccgactaa ccatgaggc cagacatgt tgacatcc taaatgcaca ccacattgtt 120
gaagatatacg cctgtagaat aagatgatct gaatggggga aggaaagctc agcatccaa 180
ccttactctg aattggaaaa gaaaaactat cagataggcc tgctatgggt ctattagaaa 240
cagaataaaa ttagactatt aatttaata cttgaattgt aaaaaagata atgctagatg 300
ttatgagatt g 311

<210> 1732
 <211> 462
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1732

 acactataaa actcagcttc ttggaggctg gatttcatg gtgatttca gccatggtat 60
 tgcaacgaaa gataaaggag aagaggttag agaggcgcc atccactaga gaataagcca 120
 tggagaaga aacttcacca ccaagagagt gtcttgata agaagcttag agaggaagct 180
 tcaatggagg aagagaatga gagagagaga gagagagaga gagagaggcg tggaaaatga 240
 aggagaatan ggagagaagt tgaacttga agtatgtctc acaagttct caatcatcaa 300
 agttgttaaca agtgttacac atgtttctat ttatagccta ngtcactaac tttgtgaatt 360
 tcattttcat tntatatgaa tctannagga atattccaag aatatgttaa aggcatctta 420
 gcatattccc ttttagatatc acaagcatgg aagatgtgac tc 462

 <210> 1733
 <211> 442
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1733

 agctattgcn tacaaccctt tctccccctt tggcaacatc aaaaagccaa agaactcgga 60
 aatcaacaca gttataacaa tggagtagca agatataagt atcagagtat taaatccaat 120
 aagccaaact cataatcaag aaaataatca aaccagaatt caaataacat aaaatgtcaa 180
 caatcacaaa atatccaaga ccgaaacaca agaaaaataa gcaaagtact tagcataata 240
 atgtaaattc taagaaacta aaagccaaaa tacacggctt ataaaagata aataagcaga 300
 atctaaaatc taagaagacg gaggaggtgg tggaaagatca aaactctgac gaatgtatcc 360
 gacatcctct tcaagctgtg taagacgaat gtccataccg gcaaagcgtg aatctaacga 420
 gtcanaagcgg tcaccaacat ac 442

 <210> 1734
 <211> 429
 <212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 1734

agctntgaat gctctattca atggagttga caagaatatc ttcagactga tcaacacatg 60
cacagtggcc aaagatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
gaagatgtcc agattgcaac tattggctac aaaattgaa aatctgaaga tgaaggagga 180
agagtgtatt catgacttcc acatgaacat tcttcaaatt gccaatgcct gcactgcctt 240
gggagaaaaga atgacagatg aaaagctggt gagaaagatc ctcagatcct tgccctaagag 300
atttgacatg aaagtcaactg caatagagga ggcccaagac atttgcaca tgagagtgg 360
tgaactcatt ggttcccttc aaaccttga gctangactc tcggataggg ctgaaaagga 420
ggcacatga 429

<210> 1735
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1735

caagagaaaag aacatgttat tagaactttg actgagaatg ttagtcagtt tgtcagattg 60
attgtgaagg aatgcattga tcgtatcccg gtgagagtgt gatcttata atttgagaga 120
aacgactatc atttagtact gattttgca tgaatctctg aagtatggac tgaatgcattg 180
aaattgagga tcatgtgaaggc catgtttgat tgtgatagcc acttagccaa aaagctaacc 240
gcgtgcttga atgaattatc cttgcaccc agtttaagct gaatgaatta ttgattgagt 300
gaaccttgag cccatacagt gttatcttct actaccttgt cttaggttgt aggagagcat 360
catccacagg aagcttggtt caatgtaaat ntgtcctata tttgggggag taattatc 418

<210> 1736
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1736

agtttcttagc caaatggact taccttgaat taattcctt gatagccctt ttcagccttg 60

tgtcccttc cttgtttga agctcaactac aaacctaag tgaaaaacca tgatattacc 120
atatcctaa ggaattttgg agctttggaa ttgtttggg aataagtgtg gggggtttt 180
gtttcattgg acaacttggtt ttgttgctta tgcttcatga tgtattttgg gccatacttg 240
atgtacattg tatattgggtt aaatgttggaa catgctgaat gaaatgttgt ttctcaaagg 300
ctaaagagta aaaaaaaaaaa aaattcgaan aaagaaaaag aaaagcaata aagttgagtg 360
aataagatct taaatggcac aagaatgatg aaacttngg ttctactctt catggtaaa 420
tnttatcttt acttct 436

<210> 1737
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1737

tganatgagg aagtgttagaa gggtgaaact tcctgctttt attcggtgac cacagagtgg 60
tacctggaga tatgtcacgg nggtcaagag accttngga cgtcaggtgg ggtgctattg 120
ccccaaaacca agcttgcacca atcccgaccc aacccgggca tagtcagtca gtgagaacct 180
gtgatgtacc taagcaggcg agctcctggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtggtg gctggccagt tgtgaatttt gtgtgatgta tgggttgtgg 300
cctctgtaa tcgattacca agggtggta atcgattaca aggcttataa atgaagacag 360
gagactaaga tggctctgg taatcgatta ccacggngtg taatcgatta ccaggcttga 420
aaacgaggc aggaagctat gagnggcttc tggtaatcgat 463

<210> 1738
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1738

tgcttgaagg gttgtacatg accaaatctt tagttaatcg tctttacgtt tagcagtctn 60
tgtattcggtt taaaatgcat gaagataaat cagtacgaga acaattggat ttgtttaata 120
aactgattct tggatcttggaa aatatcgatg tcactattga tggatgaggat caagccttgc 180

tattgttgta ctctttgctt aagagttaact ctcatttcaa agagacttta ttgtttggaa 240
gagactctgt ttctcttgat gaagtgcaga ttgctctgaa ttcaaaaggaa ttgaatgaaa 300
gaaaggaaaaa gaagtcttct ataagtggta aagggctgac agcaagagac aagaccttca 360
agaaaagatag taaatctgat aagaagaagc ataagccaga taatcatatg aatggtaat 420
gaaacatgtt caaaatcaat tgtatcactg taaaaa 455

<210> 1739
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1739

tacccttatcc tgngaacacg aanatcaaac acttttagag attattaagg ttagaaaaagt 60
agaattatca gacactcaca agctctgatt ttagggatg atcatctggg tggaccccgg 120
tacaccttat gttcaactgaa gagaatgaaa gaacaaaagg gtaagtaagg cgaaactcaa 180
actcaaaatt aaaacagtga ttacaaaaac agatgcgtnt ttgagattac atgcaagaag 240
ggtagatgtg actttggcga ggttgaagag ggaatgagcc cgttgaagag ggggcatttg 300
ggagagggtt tgagggtcg agagagacaa aaactcgta aagtgcgttc ggagttgtt 360
aaggttggag agagtggtgt tgactgaatc cataaccggt tcgggaactg caccgctctc 420
acttncttc accatntca aattcagagg ttggagagaa agggatacca ca 472

<210> 1740
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1740

agctngtgct tggtttatnt aaattcctag gatcatgagc tactaggtgt gtcctactat 60
gacttgagaa acaaaagggtg atcaaataac aacagaaaatt taaaaggtac taggttgcct 120
ccttagtagca cttctttaac gtcttaagct ggacgcttga tgagttgtcg atcacggacc 180
tagtactttt gcttacctt ggcgttggac ttggtcgcct gctggtcgac cacaggttgt 240
aggcaacgct ccagctttt tagatgagct aaagggtttt ggaggtggcg gcggtgcgtc 300

tgttgccctgc tgcggccat ccccaggctg ctgtggttt cgccctgcgc ctacactggg 360

gcgcagcact tcttgat 377

<210> 1741

<211> 464

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1741

tgagatgagg aagtgttcaa gggtgaaact tnctgctttt attgttggacc acagagtgg 60

acctggagat atgtcgcccc ggtcaggaga cttggggac gtcaggtggg gtgctattgc 120

ccaaaaccaa gcttgcacca tcccgcacca accggggcat agtcggtcag tgagaacctg 180

tgtatgtacct aagcaagcga gtcctggca gtcaacagat aaaaggaaaa caagaccaca 240

aagcaaggag gcttggta gctggccagc agtgaatttt gtgtaatatg tggattatgg 300

cctctggta tcgattacca agggtggta atcgattaca aggcttanaa ttgaagacag 360

gaggctaaga tggctctgg taaatcgata ccaaggggtg taatcgatta ccaggctcga 420

aaacaaaagtc agaaagctt aaggacctct ggtaatcgat tacc 464

<210> 1742

<211> 408

<212> DNA

<213> Glycine max

<400> 1742

gcttgagaga ttgttatctag gtgggtgctt ttcccttaga agcctccgat gcaatatcca 60

tttggactct ctgcgttatac tctccctcta tggctgcata tcactgaagt atttctcagt 120

gacctcaaag aatatggtaa ggttgaatgt ataactcact agtatcaaac aattgccttc 180

atctattgga ctcaaagca agttggaaaa gctacgtcta gcatacactt acattgagaa 240

cttaccaaca agtatcaagc atcttacaaa gctgcgacat ctagatgtaa gacattgcag 300

ggagcttcga actctaccgg agttcccccc gtcactagaa acactagatg ctcgcggatg 360

tgtatcattg gagactgtaa tggcccttc tactgctgga gaacaact 408

<210> 1743

<211> 283
<212> DNA
<213> Glycine max

<400> 1743

tagccctgat cagccttgtg acccctgcct tgcttgaag ctcactacaa accttaagtg 60
aataaccgtg atattaccat atccttatag aattttggag ctttggatt gttttggaa 120
taagtgaggg gggtttgtgt tcattggaca acttgacaag ttggatgtg acatatgcc 180
tggatgcact gccttggcat acatgtatg caatgttaat gttggacagg cagacttaca 240
tgctgacctg atagtgctca agagctatac actcaaatac acg 283

<210> 1744
<211> 397
<212> DNA
<213> Glycine max

<400> 1744

gtttagatgcac aatggcgctc ataggtcttt ataatcttgc cgaatcattt acattttggaa 60
tattctgttc ctccgtgtt ttctggatgtt ttaaatttgc cggatgtacg acaaaggcggt 120
taatctataa tgctgcgtc ctcaggaaaa ttgtggagtt caaactgaat ttctgttaag 180
cataggtttt gttcatggac tggattatat attttgtcc ttgcacgttt ttcttagatgt 240
ttaaattcggtt cacatttggaa atacagtgtt aaatctataa tggtgtgcgc ctgcattccat 300
atccccggaaaa attgtggagt tcaaatttgc atctctgtca gcatagatta tgcttacggaa 360
ctgaattatgtt ttagaacgtt gggctttttt tatggct 397

<210> 1745
<211> 316
<212> DNA
<213> Glycine max

<400> 1745

aggcacccgc cgcatgcccc ttggacttac tacgaattat tcactttgag aacctttat 60
atcttgcact cttaaatgtt ttgagatgcg cactactaac acttaagaga ctttcctgtat 120
attaccatatacataatttggaa tcatggagca tggggatgt gtatgcaata attgggcagt 180
atgcttataat atgtgtacaa cttgttctgt tggctatgtc gcatgtatgtt ttctgagcca 240

tacttgatgt acattgtata tcggataaga gaagcacatg ctgaacgaca tttttct	300
cagaggctac agagta	316
<210> 1746	
<211> 464	
<212> DNA	
<213> Glycine max	
<223> unsure at all n locations	
<400> 1746	
tcctctnttc ttccgttggc cggggcggtc cttccgtgga caaaactatt gtttgtgtcg	60
cgatgttggg ttgaggcaac gtgctgggtg ccggcccttc gaggatcgaa ggatagaact	120
caacatccct tcgagcataa tcttgagggt ctttgggc ctcgtcaggc tggtgaggag	180
gttctcttcc aaggacggga gaagcaatat ggaccgcattc gtcttgcaag acgggtggtg	240
agttagttggg cggcaatcca taaggtaag ccgctcggtt gtatcccagg tgagggtgc	300
catcggtcccc cagtgtgtcc cttcaccgtc ctactacgtt tgaggagga tggtgcgcag	360
ttgccaagag agttgggtct gcttcggcag ccgaactgat agcggcagcg gtggccacat	420
tctttccat gagctgcctc atccctaaca taggcttcat catg	464
<210> 1747	
<211> 417	
<212> DNA	
<213> Glycine max	
<223> unsure at all n locations	
<400> 1747	
agcttgtaat cgattacaac atttgtgtaa tcgattacca gacataaaaa ttcaaatttc	60
aagtctcaag agtcacaact cttcagaaac taattgtgtta atcgattacc acatttatgt	120
aatcgattac caataaggaa ttttcgaaaa gtacacccaa gagtcacaat tggtcaagaa	180
gtttttgaat ggcattcaaa ggcctataaa taggtgactt gngatacgaa attcttttaga	240
gtttttctg aacaacattg tcttacccctc tcaaaaacca attgtcttat cactctcaaa	300
atattcccttgc cccaaaaacac ttgcaaaattc aataaggaat cttgatcgat cttcaattgg	360
aatatcccttc tcttaaagag agaaaaatgct tcttcttattt attcaaagag atctgtt	417
<210> 1748	

<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1748

ctacatttgt taagttgtct aagggtggtcg tacaactgcc ctagttaatg aggaccttgg 60
acaccatgaa tatggcgacc acaatggaga taatcatggg gtcttcctcg tggatagggt 120
tgcgtccctt gaagtcttta tcaatggaaa tggtgggagg gagacttcat agtgcgttgc 180
tgttaacaca gttgatgtcg atgtcctaga tgacatggag gtgcgtcccttgc cgagactaac 240
tggactgccc tccataggaa aatcttcccg taatggtatt gattacacct ataattagtt 300
ggatgagctc attntcctat tcttgaggag gttcatgctc gtgtcttgc tggatgtgcc 360
tttgcgtcccttgc tctatcttat gctcgatccc ttcttctgctc gacatgttgc ttccgttgc 420
agtcctcat 429

<210> 1749
<211> 398
<212> DNA
<213> Glycine max

<400> 1749

agcttagcta cacacaccca tctaaaaact atctctcacc tccttgagaa gcttccttga 60
gaagcttagag cttagctaca cacacccttc taataactaa gctcacctcc ttaggaagag 120
aagcttagagc tttagctacac acccctataa tagctaagct cacccttgc acaaaataca 180
tggaaaataca aaaaaatcct actacaaaga ctactcaaaa tgccctgaa tacaaggctt 240
aaaccctata ctgttagaat ggccaaaata caaggccaa aagaagaaaa aaaaacctat 300
tctaatatatt acaaagaaga gtggacccaa ctttgacccaa tgggctcaaa aatctaccct 360
aaggttcatt agaaccctaa ggccttcttt atcagctc 398

<210> 1750
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1750

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gtatctgaga atcaacttana attagtgaga aaaatttattt tcgtgaagaa natccaagcc 120
gggtgccttc cataatgctt ccgagagggt tctgtggcg atttcgtgaa gaatttccac 180
cgttcttcat cgntcttcgg tcttcaaccg gtaagttccc gaaatcgaac ttttcaattc 240
attntatgtt cccatagtga tccccacttg tttcgcatgc ttttatttcc atttcattta 300
ctttccgtac cccctttga cgtgctttag tcattctatt taagtcattt tctcgcttaa 360
tcaaaaataa aataaatttc caccgatcat ctttattgtt acataacttta atatctttta 420
aaat 424

<210> 1751
<211> 458
<212> DNA
<213> Glycine max

<400> 1751

tgctcttatta agacaaagaa attaaagata ttcaaggattt atgatcaaga cagtctctag 60
agtcttagga aggttatatt aaataggaag ggaatccaa ttgacgtatc aaatggtttg 120
gccaaagatatt ttaaattaat aaagttgttt ttcaagagat ttactctctg gtaatcgatt 180
accagagaat gtaatcgatt accagtggcc aaaaatgatt tacaacagct attaaaattt 240
gaattcaaattt ttgcactgtg taatggatta cacatatatg gtaatcgagt accagcgtt 300
actgaacatt tcaattcgca ttttatacgat tgtaatcgat tacacatata ctgtattcga 360
ttaccatagg agaatttcag ataatttctt caatagtcac atcttttat ttcattctta 420
attgccatcc aaggcttata tatatgagac ttgagaca 458

<210> 1752
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1752

tgtgagagct gaagacttct tcagacatgt agaactgggg aagactgaca acccaatagg 60
ttcaaacgtg actcaagtgt ttgttgcata actatcacga ctaaacacgt tgggtttgaa 120
cgctccccac actcaccctc gaggcactga gatccttata gtccttgagg gtactctcta 180

tgttggattt gtgacttcca atcaagatgg aaatcacctc ttcaacaaag tgctgaacaa 240
gggtgatgtg tttgtgttcc caattggtct cattgatttc tgcatcaatg tggatatgg 300
caatgttgcc gccattgttg gtcttagcag ttaaaatgca ggaggcatta ctattgcaaa 360
tgctttgttt aaagctaattc cacctatntc ttcttaagggtt ctcaccaaag cttgccaggt 420
ggacaagagc ataatttgatt atcttgaana gcaatct 457

<210> 1753
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1753

agctattana ttgttctcat ggtggacatg atgtggccta ataatgcagt tctcagttgg 60
ggatgatgaa gttgtgatgg ccatatcagg ttatgcggac ccataattaa atcctttgtt 120
ttaaaatatg cagttgtttt aagtaaaata catgtcaata tgggccttat tttagcatac 180
atacatctct tcttactaat gctcatacggt gtcaatagca caccaataa cagcgctatg 240
acagaattga gaagctctgc ttcacagttt gtagttagtgg cagttgtgat tggatggca 300
gacataatta cagaaaagtg tggctggagg ggggcactat tggagcgggt cacaaagaaa 360
accta 365

<210> 1754
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1754

ntaaaaggca attcagggct ctaatggctc gtcgccatca tttagtcttcc acctaaattc 60
acctattttat cgtcgccacc tgaagcgtct ctacaaaagaa agcacaagg caccaagaag 120
aattttcagt ccaccagtac cggtataacc agcttgcgtt agaggaataa gagaaaaagg 180
ttntgttact cgcctgtggt taaagggtta cttaggaaaga agcatgaatg tgaaggggg 240
agaaaccaac cctcgaaagc atcttgacaa actcttcatg tagagtaaag agtcacccat 300
tatgattttat gcagaggtaa tgctaaaaaaaaaacaggtcaa taaaatttc gattttaggt 360

atgaagaana attaaaataa ggtgcaacca tgcctaaaac attccttctg agttctaagt 420

cgcaaccatt tactata 437

<210> 1755

<211> 388

<212> DNA

<213> Glycine max

<400> 1755

agctatacag cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcca 60

ttaacctagg gaattaaaaaa aaaaaactta atggctgagt gtaactgaaa ttgtggcaac 120

caaaaggctg atgcctatgt tgcccaattgg gcccttatta caacttgaac taaacctaac 180

caaagccctt ttagttgatt aacccaaaac atatTTTgg tcagccaact ttacaaggat 240

tgggccatta tttacacaaa ctaaacactc taaaattgaa acaaagcggg gtcatttagt 300

cctccat ttggccatg acacaactca caaccttgga cttttctcct taaaacttgg 360

gcttgttattc acacagtatg gacaacac 388

<210> 1756

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1756

tctggggga catcttgact tgcttccaa tctgacattc atcacanaat ctgccttctt 60

ctatnttcag attggaaatg cctctaacag cactttgtc aaggaatttc ttcatgcctc 120

ttaagtgcag atgtccaaac ctttgcgttcc atattctgac ttcatcttct ttggaggata 180

gacatgtgga ggagtagctg gtttcttgg gtgtccatag gtaacaaatg tcctttgatc 240

tgctgccctt cattagaact tcactttct catttgcac caagcattct gactttgtga 300

agtttacatt gaatacttca tcaaacagct gactgatgct gatcaagttt gcagtcagtc 360

ccttcaccag cagtactttg ttcagactag gaagtccatc atg 403

<210> 1757

<211> 405

<212> DNA

<213> Glycine max

<400> 1757

agcttgcttc tacacttgac tcagtcatac gcctattgtt gttaagacaa agtaaattat 60
gtatgaattt aaaacaataa cttaggtaat taacaataat ctaaattgac ttacagaatc 120
cacaactgta taacaaagat gttgagacat tgaccatcgt gtgctatttc agagagatct 180
tcatgctta tgtacaaggga gaagtcttca ttaaacactt cgaacatggt agcatccac 240
ataaacctgca acagcttcaa aaaaagctga gggatggtca atgtcatcag atatagggga 300
tcatcaacct catgatctgg cctatctgca gggtttgctg gtcccatagc tccctcactt 360
acagaaaaat gacatatact tacggagact tttgcctaca cacat 405

<210> 1758

<211> 474

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1758

cgattcagat ctaattgcca cgtgtgttgtt aggtatgtat tttatgttca tattatgcta 60
cttttgcgtt aattgtcatt taaattatgt tattttattt acatgtatga tttagagaaga 120
tccatcaata aaagtttctt tgattcaaga gaggattaac agtgaatttgc cctacaacgt 180
gtcgtacaaa aaagcttgtg tggcgaaaca aaaagccatt gctattgaat atggcgatttgc 240
agaagagtca tatgcgaaac tttcgctttg gctagcacac atgcaaaatc attctcctga 300
attatatttt caaatactac atgacgattn tattgttggg aatacggcta gtcgcaaca 360
ccgttagttt catagagtgt tttggactct ngtcaatgt aaagaggctt tcaagtatttgc 420
taagccaaatc atacaagttt acgacacaca tttgtacggc aaataccatg ggat 474

<210> 1759

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1759

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaatttgc ttagccgtgg 60

ctatacgaga catcttgcca aacaaagtca agttcacgt aactcgccctg tgcttttct 120
tccatgctat atgttagcaaa gtgattgatc cagtaatgtt tcatgagttt gaaaatgagg 180
ccacaattat actatgccag ttggagatgt atttcccccc tactttctt gacatcatga 240
ttcacttgat tgtgcacatctg gtttagagaaa tcaaattgctg tggtcctgtt tatctacggt 300
ggatgtaccc ggtttagcga tacatgaaga tcttaanagg gtatacaaag aatctatatc 360
gtccagaagc atct 374

<210> 1760
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1760

gcttggatgg tttattattt gtctgggtat agggatttag tttgagttt ctggggct 60
taagagattc ttaaggctga aggcaactgct agaagccatt gcaaggagtt ttaaggagaa 120
aagttcaact atgagaaggg aggtcataag aaaaataaat ttaaaaacat aggaagtaac 180
acttgaattc tgaagctaag taaagcctct taaaaggcaca accataaaact tccaaaaatg 240
acaagattga gaaagtataag gcttctttt aacaaccaaa taatgcactg agttgtccaa 300
gttatagaaa atagtgatag tttatgtta aatgcaaatt atttctaatt tttgcacgtc 360
actccctatt cgctatgtat cttaactatg attntaaatt gcagttatgg tcatggcactg 420
gtgagtcaga aaacctttat attgtaaaaa atangactga tngtgatcac ggtg 474

<210> 1761
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1761

agcttgagtg agccaccata aagttagtca attntgtaaa cacatccttg taaccctact 60
atctttatgt atagcgaaag aatctccata ttagagaatt ataatcggt gctccatta 120
ctacctttaa ttactaagtg tctatcttaa ctgcacgaag cggaaagtc tgataagata 180
aatagcttgg gaagtctcta tccttaagct tgagttagcc accatagagt gagtcaattt 240

tgtaaacaca tccttggac cctactatca ctttgtatac tggaagaatc ttcatatcg 300

agaattataa ttccgggtgtt cccattacta cacttaatta c 341

<210> 1762

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1762

tttatgatac atgcattacg gacctatgat actaagctca tataaaactg aattatccc 60

taatgatgca tgcataat taaagacaaa gcgacaaagt cgattttac caacttcttg 120

agacataaca ngtaagagag aatagaatgc cgtatataac cgaaatctaa cccaagagca 180

gcattggata tattcggtt aacctaaaa atataaaggt ctaatgattt ctaaaacgag 240

gtttgggtgg actggctact ctgataccta tatttaataa ccgtcactgg tagtttagcc 300

aatatgaaac tgagaattgg gggaggccaa tgctttaaat tggaaattta tcatttattt 360

gacacttgac acaagacatt ttttaatttt catttcgaa ccatatattt acgagtattt 420

tataattctt aataataaat aaacaccgtt tatttagaag agttcat 467

<210> 1763

<211> 406

<212> DNA

<213> Glycine max

<400> 1763

agcttggcag caatgtggga tatgagccgc tccatattat tgcaagtgac acgtgctgta 60

gagaaagaag tgaaaggagg aaacgggtcg ggttcaatc ggagctccag attcgaaat 120

gggtcacaac gacccgggttc gtttagtggg ggacggggca gtactgattt ggtgttggta 180

aaagggaaagg aagttggagg gtccaaaggcc ctagctattt ggcctaagag agatgggtca 240

acccatggag aaaaaaaaaa acatgggcct cgtgacaggg gctttaccca cttatcctat 300

caagagttaa tggataggaa acagaagggg ctgttggta agtgtggagg agcctttcat 360

ccaatgcattt aatgttctga caagcagttt atggcctgg tgatag 406

<210> 1764

<211> 464

<212> DNA
<213> Glycine max

<400> 1764

tgcctcatag agatccagga tagacaaggc ggttgaagga accagttcca ctccccata 60
tgatagccat cgaaaaatggta gtgctgagca ccaggcgc ttcgaggcca tcaaaggatg 120
gtcatttttc cgggagagac gcgtccagct caaggacgac gagtataaccg acttccagga 180
agagatagtt cggtggcggt gggcattgct ggttacccccc atggctaagt tcgaccaggaa 240
catatgcctc gagtttatg ccaatgcttg gcctacagaa gagggtgtga gagatatgcg 300
atcttgggtg aggggttagt ggatccctt cgtgcggat gccctcagcc agttcctagg 360
ataccctta gtgttggagg aggaccagga gtgcgagttt ggtcagagga ggaaccaggc 420
cgatgggttt gatgaggagg ccatcgccca gatgtatgtt atac 464

<210> 1765
<211> 451
<212> DNA
<213> Glycine max

<400> 1765

agctatgaat tcctccacta ccacacatag ttacccttg tttggattat cttcaacctt 60
tcatatagaa atcaaaagac aaccaaccat tcttcaacac ccaaaagaaa gaaggaagga 120
aaatagactt cagatgtaat gtaaaaagaa atctctattt tagatctaag cttacacttt 180
tactctttt ttgttagattt ttcaatccaa aatatgcctt tctgcaaattt cctgaatata 240
tgatcacata taagatagat tatataaaaa caaattttt aaatgccata tgaatttaac 300
atcatttcca caagaaaaac cttgtggcaa tatcatgatc agctaaatag taatatgcac 360
agccacataa caacaaatgcc tctaaattttt ttcatcttc cttgagaaga aacccagact 420
cagcaatagc actctcatac tctttatcag c 451

<210> 1766
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1766

tcctcgatc ctatggcat atgataccac tcctcattca ttcactcaca agcccnctt 60
caactctggta tatagaacaa atgccatgtat ccctatcgaa gttactgagc ccactttcca 120
agtggatgta ttcgaggaag aatgattaaa agaagactga tttgtggatc tagacactat 180
tgaaaaagcta caaaggatta tgcagattca tgaagtggcg accaagattc gagtcaagcc 240
aagataacaat cctaatttga cttggagaa ttgaaagagg gggatttgg tataataagg 300
gcttaaccta accagattgt caacaagtta tctcccaagt gggttggcct ttatcgaatc 360
agtttagtgtt cgaaaagga gcatacaagg ttgtgcacta actggggag tcactagagc 420
catgagcaag aggctccaag agaattgtgt tatagtact gaag 464

<210> 1767
<211> 584
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1767

nttcaatctc gatatgtanc tctagattcg atatcgattt ggcaatctcg actttnncnc 60
cncaacaggg aacgggaana ttganatcct tgcgaccct gtgagcctcg agagtcgacc 120
agagtgcatg cgcgcatg ctggcaagag tcactaggcgt gtgtatcgct tgcgcact 180
tatgttacac cggtgatgct gtgcattatg tcataacaca gtcctacacc ccaaagctca 240
cagacgcacg ctcttctctg ctgtatgcat tacaccgagc gatagcggcg cgcttggca 300
agcaccaaat atgaacgaca atgggtact atggggcgtg cgccatgtat ttacacatca 360
cactatggga cagccagacc taatagactg tgcattagca aaagaagcaa cagctgagga 420
tagtacatca cggtagttag accacatgcg catacacgcc agattcatcg gtggacagta 480
actgcccaga gagaggtgtc atctgttgca gagaattgtc aacaaacgat gctgttggca 540
aaatcggtac aacggctgca cagcgtgagc cgggactttt ttcn 584

<210> 1768
<211> 277
<212> DNA
<213> Glycine max

<400> 1768

gaatcaagat tcatgagaag atgagttcga gattcaagag aagaaaccaa aaagcatcaa 60

gtcaagactt cacaaggat gtattaaaa aaaactaatc atacacccag catagcacaa 120
tttgttac aagaaacgtt ttccaaatt cttctaagtt accagagtat ttactctctg 180
gttatcgatt accaattacc tgtaatcgat taccagcggt aaatgttgat ttcaaaagct 240
tttaactgaa tctgcaacat tacaaatgct tttaaat 277

<210> 1769
<211> 391
<212> DNA
<213> Glycine max

<400> 1769

cgccgcgtgc gagcttcatg gtgagacaaa ggtgattcac atgtgttcg atgataacaa 60
tcatgataac ataagatgtat gacaacaggt gactgactaa cacagctcac atgaccatgt 120
cgcttgatac attctccatg ctgatatgtat agaacaagtg attgagttca tgattgattg 180
atgaagaatt caagactcac gaggatagtc tatagtcaag aatcaagatt caaggctcat 240
gatctcaaga atcacgatca agattcgaga cttagattc acgaatcaag agaaggctta 300
atcaagataa gttgacaat ttttctccc aaattgagta gcacatgatt tttctcataa 360
catgtctacc aaacagattt tactctctag t 391

<210> 1770
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1770

tctatcaaaa ctcttgtcct tttattttgt aatgtcaacg tacacctctc cttagttac 60
tacggccata tattattgtt atatatgcaa gttgaattaa gtcaaaacta gcaacttagct 120
taaacagcta ttagctatac cttatagggt ctagcaatg aaaacaaagg aatgaaaggg 180
gaaaaccacg atagatcaac aaccaggaa aacaacgata gattaacaac caaaatatgg 240
ggatcctaca aaaagaaatg gtggattata aaaaggtcga attagttcta ggtattcata 300
ttattataaa attttataat tagttgcta tgccctttat atttttaatt gagtcntat 360
attaattnta aatctgtaat cacgtctcta tattaatttg tcatgaaaca tctgacgaaa 420

tctttcatca tatacatgca

440

<210> 1771
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1771

ctggcctatg aatacatcg cacgaanata actttcattc ttatatactt agcatgtctc 60
ggatcaacgc ctgcgatact gcgtatcgac aactcatcat acatgataat gagcggcctc 120
atctcagatg agcaactcgcg agcgcttgaa tccaatacat atctcacaca cacacacgca 180
cactcaaagc aagcaataga tgatgtcata gctataccgc ccctgtcttc ttctttctgc 240
ttcgaccgta ataaggcaga aactctcata ttggcttgct aactcacatg ctgcagtctc 300
gggagtagtt gataggcggtt catabtgac agaaatggat ggattccctc cattggcacc 360
ataggcgtga gttccccaa ccgtcaaatt cgaatgtgta actgcaatgc tgctactata 420
agatcccata catagtgtta cgacggacaa cctcgagcca aagccaactt ctcaggccc 479

<210> 1772
<211> 458
<212> DNA
<213> Glycine max

<400> 1772

agcttgagta ttggctgctg cgccgagtgc aagactacga gttgtgttag gcttgggagc 60
aagactgcga ggtcaactaac catagaactt agacaccgct ttttgtccaa acaatatata 120
aactcagttat tagggacatt agacctcaact cattcaaaca agcggcttat atcacctccg 180
tgtgttatat atacagcatt tttggaaacg cattatattc tacgcttat attgaaaatt 240
taggcattgt tccaatagaa ttcaattcat taaaatacac ccagtataat tttttttta 300
catcatataa tcataaaatg cagaataaaa tgcagtgtt gattaactct cacatgcaga 360
actgcagaag accaaatcaa aagctaaaac aatataataa atgaatttca attcaacaca 420
tctacagaca tgtaaaaata gagattggca agaatata 458

<210> 1773
<211> 441

<212>	DNA		
<213>	Glycine max		
<223>	unsure at all n locations		
<400>	1773		
		ttaaattcta ttgacaagag atttctgagg aggagttct tgcttttgataaacaata	60
		aagtgtgtt agtaactttt ataaatcaat tcttactagt gttgatggta ccatcttcata	120
		tggtgacatc tatgcgaggg cagtctcata tttcattggc ttgtggagtg gcgttgccac	180
		atttatctat tgggactgac gagagtaaca tttccatcca tatgtttgt taaattttgt	240
		tatttaaatt gaatagggag tttcatgata tagatctatt ttactgtt cttttatgta	300
		cccaactgcga tttatcatat tacttttag tcatttagtag gttactcact attgagttat	360
		gcatttgtga gttntactta attgttaaaa gtgcttctag tgtatttagat gctaatactat	420
		tatcgaaaca cagagctaaa t	441
<210>	1774		
<211>	594		
<212>	DNA		
<213>	Glycine max		
<223>	unsure at all n locations		
<400>	1774		
		tcctgttagt ctgaacgtaa tcatgaattc accgtgcaat cgatgcttg tcatcanaca	60
		actancacca gcaagtgann cttgaaaccc ttgaggaccc tagcancncn cngaggnanc	120
		cacgcgcatg aagatgaatc tagagnccctt cgatgtctga cattgctgat gtttacaagc	180
		ccgaagaatg actccaagag tgagacaaca agaagaactc ctgatgagtc cacccataaac	240
		ccccaggtgt atgacccaga tacgagtgct cgacatatcg gagaaattn ccagacgact	300
		tcacaaggga agtataaaac agttttgct tcaagaaaca gaaaagagct ctctcagaag	360
		tgtatcagct accagagtttta ttactctcggtt ggcaggcgaa taccagttat ttgaaatcgaa	420
		tgaccagtgg ccaagttggta tgcacgaggt tttaatgaa tcggttccat ggagctcgta	480
		tcttcaacgg tgaatcgag cactagacat agtaatcac ctactcgtgc aactggaacg	540
		caggaagtta catgtgagca gtgaactcgc gtctctctat atcaacgagc gtcn	594
<210>	1775		
<211>	403		

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1775

agcttcatga tgatgaatca agtagtntg ataatgacaa agatgatgac aaaaagccca 60
aagaatgatt tcaagattaa gtcaacaaga agaaaatcaag aagattcaag aatcaagaga 120
agtttgattt caagattcaa gaaaagatga attcaagatt caagagaaga aatcaagaag 180
acttcacaag ggaagtataa aaaagttttt ttttcaaaaa aaaaaaaaaa gtttttctca 240
aaatttata agttaaccaga gtttttactc tctggtaatc gattaccagt ttcttgtaat 300
cgattaccag tggcgaagtt tgatttcaaa agcttttaac agaatttgca acgtcccaat 360
tgatttcaaa atggtgtaat cgattacaag atattggtaa tcg 403

<210> 1776
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1776

tctgcatgtc tagagagttc tagagagaga aaggtccaag ttccagagag tttgagagat 60
tntgttgtgt gaagatctac agagaccaga gcttgagagg aaaccgtcct gagagcttga 120
gatgagttt tgagtgattt tgaggtccta gaggtggagg agacatcccc actacttgta 180
tttctacaat ct当地tctt tctcttctct ttgtgtaaa ggaagcttcc cagttatgga 240
aagctaaatc ctctgttggaa tttcccttgt aggtacttga tgcaaataatc tttttattha 300
tttaatgatg ttttttgtgt tcactgtggt atcagaactt cattctacca tgctttgcc 360
ttgatcatgt agatgcatgt gtttttagga taattgaaca gtggaaactg atctgattct 420
tagaacttga taggacggng ctagttgtc gtattnaca 459

<210> 1777
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1777

agcttatgac cattcgaaatt tctcaagagt ttccgttggta caatttcgag cgtgttagatg 60
agttatgtcc ccgaatcgga catctgtgtg aaaagttatg accattcgat tttctcgaga 120
gcttccgttg ttcaatttcg agcgtctcgat tatattatga ccccgaatcg gacatctgtg 180
tgaaaacgta tgaccattcg attttctcgat gagcttccgt tggtaattt cgagcgtcta 240
gatgaggatgtt gtcggcgaaat cgaacattcg agtgaaaact tatgaccattt cgaatttctc 300
gagagcttcc gttgttcaat ttgcggcgat tcgatataattt atgttccgat atcggacatc 360
cgagtganat gttatgacca ttgcattttc tcgagagctt ccgcttggc aattcgagcg 420
tctcgatata ttatgtcccc gaatcgacat 450

<210> 1778
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1778

tgcggccacg gagttntccg actatgtct tgggtggta aacaagctac ataaggagag 60
agcaagaaat gaagagccaa tgggtgatac atggacggag atgaataaga tcatgaggaa 120
gcggtagttt ccggctagtt actcaaggaa ctggaaattt aagctccaaa aactaaccct 180
aggcaacaag gtgggtgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatgggttga ctaatgatata 300
ccgtgatattt gttgagctgc acgagttgt tgaaatggat gaattgcttc acanagcaat 360
ccaagtggag caacaattaa aaagggaaagg agt 393

<210> 1779
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1779

catgcaagct ngactataat tcattatttg cggtatgagc ctacatcaac caattggatt 60
aatgatgttt ttgtcacaat caagtgattt tcaacgtctc catatgggtg tactttgtgg 120
tcatgttttc atttatagaa ttcatgttga atgtctgtt ttaattctga ataagtgacc 180

attcttcatt taaaattaaa gtctcttaat caattgagtg ttcatctagt tatgagttga 240
tcatcttcca atcatgtctt gttaaattgt ttgatatatt gccatgtgt tacttctgtc 300
atgtatagag agagactttt ccctctgtaa tcacgcttcg acgttcgaga ggaaatactt 360
gttagacat gatccttgct acctactgat 390

<210> 1780
<211> 158
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1780

ttctggtnac tgacacacct tatattnntg tgctattgat tttcttatga caataggacc 60
aaaaatttaa aaataggatt tacattatgc ttgtcaacag tgaattannn agagatttaa 120
accacactaa agaaaaaaaaat tattccaggt gtctatac 158

<210> 1781
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1781

agctnnttgg agtagaaaca tgggaccaac tcattntatt tcaaaaagga agtcgtatct 60
agtcaaggc tgagagacca tacaagttc ctaacgattt ctaattatgt gggccattaa 120
gtctatcata tgctgacaat agccgagaag cccatgaatc tttcgggggg tggagtaggt 180
gtctgccatc gccttggcct tggctaacaa gccggaaagt tcttgactct cggtcaaggt 240
aagagcaaac cgatccatcc acatggttgc ctcttggtgt aaagagtcga tcacccttcc 300
tctagccctct tttccgcgt atacttgagc atactcgtna gcgattctat gcccgtggc 360
cgccggctaga cctaactctt cttggactt ggcgatgata gctagcatgt tggtctccgt 420
ctctgataaa cgctga 436

<210> 1782
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1782

tggagctcg ngtttntg aagttcctca gctgacttgt agtagaatga gacatattct 60
tccacccaag acttgatatac atccccatatac tctagccccat cagaagcata aggatagtcc 120
tcgatcaaaa gtcaaaactcc atggggagca gatggatcct taacagcaac tcctctgaat 180
taaaaggcacc caaataaacat tgattagcat aagagttata tcaaggctga agccttttt 240
cttcttatgt cattgatgac ttttatatac atgcattcat gtgccactac tctgtcaaag 300
ccatgaactg tcaaagccat cattaggat gaaacagtct ttgtcttcc aaaatctgaa 360
atacgagcca cttgagcatc tgctaaacga tatttcgtgc caccaatagt aacctcagat 420
gaaacagtct ccacatccaa cacaatataa tccaccaatt gtctactagt aagtaatgac 480

<210>	1783
<211>	464
<212>	DNA
<213>	Glycine max

<400> 1783

agttggccgc ccagctcgcc caggcgagca agtgtgcttc ctccagaagc aacagcttc 60
tggaggaatc ttttagaggg ccaagtggc ctgggtgcta ttacaccccc cattttact 120
aaatgcaccc cccctttcta ttttttttg taattcattt tccgtaacgt tacgaaactt 180
tacgaatttc gtaacgatac ctatttcct tccgcaaggt tacgaatcct tacggatcat 240
gtatTTactc tttttactt tcaaagaagt tacggaaact cacggattgc gaaaaaacac 300
ctcttttga ttccgcccac attacggaat ttacggatt acgcaagcct gttcccttt 360
ggatttctga gacgtctcggt gacttcattt aatgcatgtc atcaagtaat aatccccgga 420
cgaaaatatqg tatqacagtt gccccctctt acttacacct catc 464

<210>	1784
<211>	490
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 1784

tactaaagctt acaacanatt caaaaaccaac aacaacaacc accccaaaacc atatacaaac 60

aacaatacaa tcatgcaaca acatcacaat agcaaaaaat cattgaacgc ttcaacaaaa 120
gcagcttcaa agggatggga ccacttacct ggaagaagat taccatatga ccggaagaaa 180
atggaaacaa ccaccaacgg aagaagtcaa cgccggaaga acaccgaaac aggagcaacc 240
accaatggag gatcggaaga ggaacaagca acaaccgtca aacaccagaa gaggaagacg 300
aacacgtcg taggcagaag aagacgaaga agcatatgag aggaagatga agatgaaaca 360
gtgtcgatg aacgaaatgt agcaaatgca ctgtacgaac gactaactnt gggattnat 420
agtaataggg tgaatggcat tttggactt tcgccatggg tggtgggtgc acaaagtaac 480
acccctgata 490

<210> 1785
<211> 346
<212> DNA
<213> Glycine max

<400> 1785
gcgcgtatga ccattcgaag ttagtcagag agtttcgtt ggtcaataac gagcgcgtag 60
atagagaatg acttcaagac tggagcgcga agactcatac aatgaggcat caaattgcta 120
cataaggcgc gcatatgc tccctgacgt atgaaccatt tatttgcag aagatataa 180
cactgcctta tgagactacc cttcgacact ttcaagaccc ttccctggag aatctgcact 240
tttgctataa cttttgcacc ctattctaac atttctgcga cagctggta acctttctca 300
atcctaatacg cggtcgatgt tactcgtaaa tacgcttgct ctatgg 346

<210> 1786
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1786
aatacgttgt tcgtgatatc ttttgggtgc atcctgatgc agtgaagttg gtcaacacat 60
gtaatttgggt gttttgtata aacagtaccc acaaaaacaaa caggtacaga ctcccactgc 120
tcgattttgn tgggtggca ccaaataaga tgacattctc tgccggattt gcataatctgg 180
agtgtgaacg tcttaataat gtggttggg ctttataatg cttctgaggt atattttaa 240
gacgtgatgc cctccctgga gttattgtga ctgacagaga ccaaacattg atgaatgcag 300

tgaaaattgt attccctgag tgtacaattt atttgtcagc tntcacataa acaagaatgt 360
ggagaccaaa tggttaatcgt tgattggtca aagaaatgct cgtgagtagt tcataggatg 419

<210> 1787
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1787

gagcgtatga ccattcaa at cgtaagagt ttgcgtatcgat cgatatctcgat cgtgaacacg 60
agttatgtac ccgactcgca catcgaggcg agaagatatg accagtcnag ttgttcgaga 120
gctgttcgtt gttcatttac aagcgggtct atgaaccaag cacggaggc tcacggtgcc 180
gagaacacgc atgatcaa ac gaagtgcgag agagcatgcg ttgttcatttgc tttagcggct 240
gtataagata tggccccgtt tctgccttac caaacatgac aacagacggt atgcagtttgc 300
tcaaacataa agtatgttgc acgcgagcgc atgatgtgc aatgactc 348

<210> 1788
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1788

cttttcctt ctcggacctg ttccttctca atgtatgctt aatttctaag tccaaaggaa 60
ctaaattgcc tggggagat ctatgcataat aaaatactaa cagacacaat gtttatccaa 120
ttcaataaga gaagttataat atgaatagaa nacaaatatt cgcaataat aaaaaataaa 180
cgaataaaga atagacacct ataaatgaac taacttgtca gataaaaaga agttccctgg 240
caacggcgcc aaaaacttgg ttgcttccgg caagtgcacc ggatgcaca agtagta 297

<210> 1789
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1789

agcttatata ctccactgta tatattaaaa taaaagctcc acatgatata tttatgaaaa 60
acanagatag cagatattaa aactgggtt cctccagga agcgctttaaacgtcatt 120
agcttgacac atagcttaat gccttcaagg tggcatgaaa gtcacataaa acacatctc 180
cttgcagttt cgcccttttag ctagaaattc catgaacttc atgtatggt caagtacatt 240
ccaaatcatt tcaggaaagg tgtagtgat taaagaaaga atggcactta agatccctc 300
atgctctcct tgccttctt tcttgtcaat ctgttgatga ggaagggtat tgatctggag 360
aataccttct tgattgtnt ctactatcga gaacttctcn cattgttgct gtgcttggta 420
ctcatcttt tccttgactc atgctctntt aca 453

<210> 1790
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1790

tctatagaag gttcgccct aatttctcta caattgcattt atcttctagg aacttcaagt 60
tgtatcatct gttctaaaag agagaaatca ttatgttcat cttataaaac tcagttgtaa 120
tcaagagatt gttgtctct tggcatgtga gaaactcgaa cataagggtg agggatccca 180
aggtgtgttc aaagattgta aaggatttac aaggatagtg gaaaatatta agtaggttac 240
ttaaggacag gacatatgca cggaaagtgg ccgaaccaat ataaatcaag tttgcaattc 300
tctctccct tgtcttgcac atttttattt caatttactt tgtcttgcac atttaaaca 360
tattgttaaa ttgactattt cttcttctt tacattctaa atctatcaca tatcatntaa 420
aaggggatta anactttta gttggaaaat ttaaagactt aa 462

<210> 1791
<211> 425
<212> DNA
<213> Glycine max

<400> 1791

agcttcttat ccaacgcact ctcttggtgg tgaagctcct cttccatgg cttattccct 60
agtggatgac gcctcttctc acctctttc ctttatcttgcctacatct tcatggttga 120
aaatcaccat tgaacgacct cattgaagct catggatcca gcctccatag aagattctca 180

agaagcttcc atcataacct gatagagaaa taaaaaatac ttaattcaaa ttgaaaaaca 240
aaacgatgct agtcccttgc atggttcaaa ttgttgagca tattatagta catgatagat 300
cgataattat gttaatacta taaggacttgc tgcatgttgt aaactggat aactcatttgc 360
attggacaag tgaatgaggt tgggtgcgca cactctacat gagatcatga atatcttata 420
atata 425

<210> 1792
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1792

gtagttattc ataatcaaac atggccttca tcattcctcaaa gttcatacat ccaatccata 60
cttttagagat tcacgcaaaa atcagcacta catgatagtc gtttctctca aaattttaaa 120
gatcacacac tcactggat acggtaatg cattccttca taatcaatct gacaactgac 180
taacattttc agacataatt ccaatcatat gtcattctc ttcttaataac ggcaaacttg 240
atcaaaaacaa tcattccaatc atcccaatcc attcaattca tacatttgct caatcaatca 300
tttccttaaca ctcattccat accaaacaag ccactgcata caatgttcaa tcaattcact 360
gttcaatcaa gcttntgta caagaaaaca aacaactata ctactgaaat taaaagactg 420
aaacacnaaa gcttggaaatt aaatgacat 449

<210> 1793
<211> 269
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1793

gcttttatcc aagacattct cttgggggtg aagcttcttc ttccatggct tattccctag 60
tggatgacgc ctcccttcac ctctttccct ttatcttcg atgcatttcc atggnggaaa 120
atcaccatttgc aaggacctca ttgaagctta aagatccaac ctccatagaa gcttctcaag 180
caagcttcca tcaataggca attaggcaat ttgacctgct aaaccctaaa tctcaaattc 240
atctagcaag caaaatttgc cctatacag 269

<210> 1794
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 1794

ttctgagcta ggtccatatt tcaatttta agatgcatttgg ttctctgtgt tgccatgtaa 60
tcctttattc ctaatttagnt ctgctagtct aatactattt tcaaaaatcta aatgttaaag 120
ataatgaaaa caagtgtgaa tatttgcattt ttctagtaaa cttcttgat tttgcttaat 180
ttcagaaaaat gtgtgtgcaa cttgctatct agcttgcgtg tgtataagct ctgctaaaaat 240
gattntaacc aaaggatatac tactaactta tttacctatt tccgtgtgta ttacagcaac 300
atagcttcta ttagacttaatt gtgaacagag ctagaggcgaa aagcggctta gtatgaatgt 360
tttatttata tattatacat ttctctatttgcattt gaaggcgat gttttgatgta taaatgatgc 420
catcaacact caat 434

<210> 1795
<211> 431
<212> DNA
<213> Glycine max

<400> 1795

agctctgagc caattctaac gataataact ttttactcgg atgtccgatt gagtctcgta 60
atatatcgac acgctcgaaa ttgaatggtg aagctctagg cctattcaaa cgacaataac 120
gttttactcg gatgtccgac tcagtgcgt aatatatcgg gacgctcgaa attgaatgtt 180
gaacctctga gccaaactcaa acgacaataa cttttactc ggatgtctga ttgagtcccgg 240
tattatatcg agacgctcgaa aattgaatgt tgaacctctg agccaattca aacgacaata 300
actttatact cgatgtctg attgagaccc ataataatatg gagacgctcg aaatgaaatg 360
ttgaacctct gagccaattc aaactacaat aactctatac tcggatgtcc gattgagtga 420
cgtaatataat c 431

<210> 1796
<211> 440
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1796

taaacattca atttcgagag tctcggtata ttacggact ctatcagaca tccgagtaaa 60
aagttattgt cgtatgaatt ggcttatagc ataaacattc aactttgagc ctctcgatat 120
attacgggac tcaatcagac atccgagtaa aaagttatttgc tcgtttgaat ttgctcatag 180
gttcaaaatttgc caatttcgag cgtctcgata tatttcggga ctcaatcaga catccgagta 240
aaaagttatttgc gtcttttagt ttggctcaga ggttcaacat tcaatttcga gcgtcccgt 300
atattacgtc actgaatcgg acatccgagg aaaaagttat tgcgtttga atntgctctg 360
agcttcaaca ttatattacg agcgtctcga tatattacgg gactcaatca gacatccgag 420
atacaagtttgc ttgtcggtttgc 440

<210> 1797

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1797

agcttgtctc agcgttatgc cgagacagag accaacatgt tagccatcgt cagcaagtac 60
caagaagaat taaatctagc cacggccac aagcacaaag tggcagacga gtatgcccga 120
gtgtacgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
atgtggatgg actgatttgc tcttactttgc aactggagtc aagaacttca ccgattgcta 240
gccaaaggcca aggcaatggc gaacacctac tccgtcctca aggagatcca ggaacttctt 300
agctattgtc agcatatgtat agacttaatgc gcccatataa ttagagaccc tanngaagtt 360
gtattggcac tcagatcttgc actagttata actt 394

<210> 1798

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1798

tgcttggttgc ttgtcggtttgc 60

atttccacc atggagatgc agcggaaagac aaaggagaag aggtgagagg aggcgccatc 120
cattaaggaa taagccatgg aaaaaggagc ttcaccacca agatgaacct tggataagaa 180
gcttggagg atgcttcaat ggaggaaaag aaagagggag agaaagagag aggggggagc 240
acgaaattga aggaataaaa gagggagaga agtggactt tgaagtgtgt ctcataagac 300
tttcattcat caaagttaca acaagtgtta catatgttc tatttataga ctangtagct 360
tcctggagaa gcttcttga gaaaacttcc ttgagaggct tcttgagaa aacttccttg 420
aggagctaga gcttagcaac acacacccct ctcac 455

<210> 1799
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1799

agctcgctta ttaattaaca acctttattt gtcttaatag cttaagttc aagattgatt 60
ggtcgattga gatgaaatta aaactgttga cgtaatttc aaatagctgg ctccatcatg 120
tgctctgttc ttaaatttgt atagataatt gggcttttt tagtaatcaa attttagaaa 180
aaataaaaaa tgatgataag tagtaaccaa gtttatttt tatataattt tttctagcag 240
tccaataatt ttatttgaat gtattaaaat ataatagaaa ttactggaaa taataaacat 300
ttgtttgaa taaattgtga tagacaagtt aagaatgaaa acaaagaaga aatgtcataa 360
ttggaattgt tgggtgaaaa ctaatataag ttttgatatt tatttctatg aaatgtangg 420
tcacttcaag taaatgaagt ttcataactaa ttat 456

<210> 1800
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1800

gatgcttcta gtgaagacag gaaacgcgt gaaatttagaa aacacaatga aatgttaag 60
gcttctgaag ctgttgctga agtcagagca gaggtggata agtcgctga gagggtgagc 120
ctgcttctca tattatctt gtttattgaa acataataac tggagctgag aatgaggata 180

tgagtgattt tgatttgc当地 gatatctgtct tggaaagtggc tgtggatgga	gggaccaggg	240
tttctgaccaa agagttttg atgtccacag agttgcttat gaggcaattg	ctgaaaactgg	300
atagtattga ggctgaaggt gaagtaaagc tgcagagaaa agctgaggtt	gtgttatgg	360
tggtagaat tataacttaa attctaacta attgcgtatt agntattgtt	tttattttgg	420
tatttacaaa atcccaccta ttagtaagtc atggacactg act		463
<210>	1801	
<211>	352	
<212>	DNA	
<213>	Glycine max	
<400>	1801	
aagcttatga ccattcgaat ttctcaagag tttcggtgt tcaatttcga	gcgtgttagat	60
gagttatgtc cccgaatcgg acatctgtgt gaaaagttat gaccattcga	tttctcgag	120
agcttccgtt gttcaatttc gagcgtctag atatattatg accccgaatc	ggacatctgt	180
gtgaaaacgt atgaccattc gatttctcg agagcttccg ttgttcaatc	tcgagcgtct	240
agatgaatta tgtatccgag tcgtacattc gagtgacaac ttatgaccat	tcgaatttct	300
cggagactta cgtagttcaa ttccgagcgt ttagatatat tatgtccccg	aa	352
<210>	1802	
<211>	427	
<212>	DNA	
<213>	Glycine max	
<400>	1802	
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agccaatggg tgatacatgg acggagatga aaaagatcat gaggaagcgg	tatgttccgg	120
ctagttactc aaggacttg aaattcaagc tccaaaaact aacccaaggc	aacaaggggg	180
ttgaggagta ttcaaggaa atggatgtgc tcatgattca agcaaataatt	gaagaagatg	240
aggaggtaac tatggctcga ttcttaatg gtttactaa tgatatccgt	gatatttttg	300
agctgcagga gtttggaa atggatgatt tgcttcacaa agcaatccaa	gtggagcaac	360
aattaaaaag gaaggagtg gctaagagga gtttaccaa ctgggttct tctagttgga		420
aagacaaa		427

<210> 1803
<211> 452
<212> DNA
<213> Glycine max

<400> 1803

agcttagatc aggcatccga gtcaaacgtt atggccgtcc gaatatgcat gggcattcca 60
tttcaacttt taatcgcat gatatattac gggccta atggacatgc agtcaaaact 120
tttagccgtc agaattcacc cgagtcttcc atgttaaatt ttgagcgtcg cgataggta 180
cttggcttat tcgaagatcc ggaggaaaag ttatggccgt ttgtatttgc gatgggcttc 240
acttttatcc taagagcatc tcgatataatt atgagcttca attggaaatc cgagccaaac 300
gttatggctg tccgaatttg cgtggtcagt ccatttctac tttcgagggc gatgatata 360
tatgggcctc attcggacat cgattaaac tttgccctgc ggattcaccc gagtttccat 420
gttaattcta gcgcggata ggtacttgct ta 452

<210> 1804
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1804

taacanactt aganatcaag tgatcatgta ttccgaaata tatgggaga aaacggatgc 60
acattttatc tatatacagt tgtttgtt ttgcttgaat cttgatttca ggtattgtat 120
tgtcatcatc aaaaaggggg agattttaga tgcaattggc tttgatgttt tgatgatgat 180
catgatgatg ttttgcatt gatgcaaatg ggctttcaa gattaaaatt caagacaata 240
cttcaagatt acaagtcaca acatcaagat gatcactaga atattaggaa ggaaattcct 300
aattgaatta gcaaaggaaa ggccaaatgtt tttaaaataa aaagtgtttt tcaaaggaaa 360
tactctctgg taatcgatta ccagaggatg taatcgatta ccagtggcca aatacgaaaa 420
ataacagcta taaaatgg aattcgaaat tttaaaacct gtaatcgatt acacaatt 478

<210> 1805
<211> 172
<212> DNA

<213> Glycine max
<400> 1805

taattaattc aaattgagaa ataaaatgtat gctagtccct tgcataatgtct taaattgttg 60
agcatattat agtacatgtat acactgataa ttatgttaat tctataagga ctcgtgcatt 120
ccgtataactt gcattaactc atctgaatgg gaccattcaa tgtcgccgag ag 172 .

<210> 1806
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1806

tagaacttaa accttcgatt ctcactcgat tcttcaccaa atcacgtccc gtaaagccca 60
atcttcctct ntttcactcc tctttcactt ccaccgatca aaatccagaa aaacttcattc 120
aaatggcaga gccatcaaag aagagaaagg gatcatctt caccgccacc gctgctgccc 180
atcgccgtca cggccatcc ggagcaccca cagcacctat tccttcattt ttgtcatctc 240
caagatcatc aacactgttt tcatacgatg atcaacgtct acggtagctt tctcagtttt 300
cttctagaat aatcttagac cctaagtacc tagacgtaga gttcttaat gatgaaacgt 360
ttgattgcta tcaagtgttt c 381

<210> 1807
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1807

agcttattat tatcttggtt cataaaattgg atgaaatata ttcctaattt cattttataa 60
agcatatcac cataataatt aataagcaat aataacgtca ctataagtag tatcccaaag 120
ttaagggtat tccttagagga actaacaaga gaccttaact aaaatatgaa tcccaagtga 180
agggtgacga ttaatgttt gtcctcatgt aattcaacat gcccttgggt ctttgaattt 240
tactaattt tgccattgtat aatacaaata aatgattttt aaatatttaa ataactaaaa 300
gaaaaaaaaaagca tgcatgtctc anatattatg ctacagcaac aaagagtgg aaaggagatt 360

aatacagaca actatggcaa cgagaaaatc gcgtattctt tcataagtgt ccacaatacc 420
cattctctga agtgcataa gccgacta 448

<210> 1808
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1808

gcgaatatga gaaacgtaga gaacatttac acaatccata ccccaagcta actctaacc 60
ttcattggaa taactatTTT gaacatgtgt tttagaattt tattttgac aaaatgttt 120
atcctaataat catgaattga ccatttgatt atatTTTcat ntTTTgttt ttgattattt 180
tcaaataataat ttTtatTTT ttaaaaatct aatttgatta aaataatagc taaaaatTTT 240
atTTCTcaac catcttaaac tacttggct tttatctnt attgtatggg tgattttctt 300
aattacttat ctcttcaag ttattattat tattttattt tttaaattaa atTTtaataat 360
atTTaaaata aatcattaaa tagttaaat taaccttgta tcttgnatt aattatctat 420
tatanatcta acatataatct gtatcttaat tat 453

<210> 1809
<211> 439
<212> DNA
<213> Glycine max

<400> 1809

agctatagca actctttctt ttgttagt caaaacttct aatgctctta atctctcctc 60
atctaaatca actaactcat ctgacatcat ttccaataa tggcgattt gaatgtccat 120
ttgttttgt accctggctg attgcaaatg tatttcgacc ggaagtacag catcatgccc 180
ataagtcagt cgaaatgggg tagtattagt tgattcctta ggagaatttc tacatgccc 240
tagaacttga tctaacgttt tattccaatt tcttggctt agggcaatgt gtttttaat 300
caagtttaatt acaatcttat tggctgcttc gacctgacca tttgcttgcg cgtaatatgg 360
tgttgagggtt aataatcgaa agccagttt ttggcaaat tcttgcattt ttcgtccagt 420
aaaaactgaa ccttgatca 439

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<210>      1810
<211>      442
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      1810

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agtcccttgggt aagggatgta ttccgggtggct ataagaccac tgtctaattt ttccttaata 120
aaatgtcgat taatctctat gtgcgggttt cgatcatgtt gaactggatt gtgtgcaatg 180
ctgatggcaa acttatttac acaaaccagt cccataggaa cttcatatattt tattttgagg 240
tcatcaagta tgatattcat ccataacaac tcacaaacac cttgagccat agctctgctt 300
ttgcacttga tcttgcaacc acatntgct tcttactcct ccacgttact aaatttccac 360
ccaagaacat gcagtatcct gtggtagatc tcccatcaac aatngatcct gcatagtcag 420
catcagtgata tactttcatg at 442

<210>      1811
<211>      190
<212>      DNA
<213>      Glycine max

<400>      1811

agcttgctgc atatataaca atcttgagta ctctctaaat gactggtaag aatatctgcc 60
agttgataat ttcaatttgcgat gaagtttagtg gtgatgtctc tggataaaaat ctacagttag 120
gaggttagaga gaagattgta atggaatttc aatagatggc agtgtatggag gggaggaata 180
catttacact 190

<210>      1812
<211>      423
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      1812

tatcagaagg ggaatgagta aataccacct catgctgata ttatgaaggt ggcaaagtgt 60
ttcttttgcgat agaagaaggg acacatgaaa aagaattgcc ccggattcca ganatggctt 120
gagaagaaag gtaaatcaat ctcattagta tggttatgaat ctaatatggc tagtgttaat 180

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attnaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacagggt 240
atgcataacc taatgaaacc agtggaaagt gagcaaagca ttttatcagg caataagcta 300
ggctcacatg tggaggccat tggaacttgc attctgactt taagtagtgg ctgtatTTA 360
aaatttagaaa ggactttcta tgtanccaag tttcccgaa acttgatttc tatttcaagg 420
ctt 423

<210> 1813
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1813

agcttcttgc gtagccgctc ttgggtgctca tataatccaa aaaacaaatc cctcttatta 60
ctagctatTT tgaattcttt agttcctgaa tgtacaacct tcAAATTGTT gctcgTTccc 120
ctctttcttt tctgcaaaaa agaaaatcaa atgctgtcaa aacaaggatg aagtccctaag 180
aaaatcaata tcaaagaaaa catggatgaa atcacaatta aaaagcacaa ctacctatct 240
ttcagagtcc tttggtaat ttgtcttgc tccttatATG gtggggTTCT gtttaataat 300
cttatacttt tgccTTccaa aaaaaactt atcactaATC ctctttcat taatccaaTT 360
tttntatgtt attgtataaa agatcatggg ttc 393

<210> 1814
<211> 454
<212> DNA
<213> Glycine max

<400> 1814

cgcacaatat ctatgagtgc agctatggta gcgaaaattt tatgagTTA tcttcagtca 60
agcaacaaga agatagaAGC gccttaactt cctatGCCAG tcaaataGTA gtacctaAA 120
cgaatatggg gtgatATGTG tcggtgagaa agttaAGCAG tcatttataa tttggTgatG 180
ttattaacaa aaatgaatAG agatagaAGG agactcaatt atttGTTGAA tttagagacAA 240
taagtGACAC cacatTTTG gaataatCGA tgacattGT agttaacGAA attcttcatt 300
tctaattctac tggTgaggAG ctttatATG aaagtCACAG ccagacctaA gctagaaaaA 360

tttgcacat catatttac aaagcacaag ggacttggtg attgtccagt taaaagctgt 420
ccaacataag agtctgaatg atgttagctag catg 454

<210> 1815
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1815

agctttaga atggtagac atgatacatg tcaggcctg gtttggttca aggataaaag 60
ggatccccca cattatttcc atgacacaaa tgcaaaaatg atgatttggaa acttttatgc 120
aaaactggtc atgcatgcgc ctatgcggac gctcaagtgt caaattttta tggcatgtg 180
atgctaggc tcangattca ttcctctat tttaaatcaa cccaatgttt caaaaatatg 240
ttctttatc aatttgtgca ttcctccaag tccatttcgg gcgtccgagg aaattttcac 300
agcattcacc cttcaggtgt agacacgtt tttttcaaa aatcggttat gatcaatgaa 360
ttntttntca aagaaaagtt ggaaatcatc tctttanaa gcatgt 406

<210> 1816
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1816

ntatagcaca gcaacacaga atctagggtgt ccaacacccc tcaattcaat gggttntcta 60
ggtttggaaaa gtgaaatcga gaatgaggta aatttgaagc aaactctcac ctcacaccag 120
tccataacat caatctaaac ttgctcaaac tggatttacg cttaaatct caccgaatca 180
aaatttgact cttccacacc caaatttgcc ctagaaatgg ctctntgttc actntggta 240
tttggggggc tctctagcac agcctaattct ttctcataag tcctaaatga catttcaagc 300
taggattaac tcactntaac ctccattac cacagaatcc agaattaacc ttccaaactct 360
caaaggctca ctctntntcc actcataaca tcacattctc actttctaacc ccttaggttaa 420
ctctaccctt cacctctatc ag 442

<210> 1817

<211> 355
<212> DNA
<213> Glycine max

<400> 1817

agcttgagaa atctcttcga ttctgcaata catttctgac tctatggcat gagatgcacc 60
gcatagatag gacctcccg gttgttat caacgaatat cttaaacact tgtgctttag 120
tcaaacagtc gctgtgagac tgcaggagga gctactgtcc ttgataacctg tgttatgact 180
aacttcgtct aactgtatag gacacattat gttctactct ttatctagct gcatattatg 240
ggagaacaag tgattggtag acattgcttc atcttctaca tcatgcaatc aatgaattat 300
aacgcgtaca ccttgaaca tataactgc gtgcttacc acttgaggac aagtg 355

<210> 1818
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1818

ngccacccag ctcgcccaga ttagcttagt tgcttcctcc ataatgcacc acaacgatgc 60
ttgtttgca caacaatgct ctttgtact tccagaatgt tgcgaaactt tacggattgc 120
gcaacaatgc ttgttaaaca tttcagaatg ttacggaact ttatggattg cacaacaatt 180
cttggtaac attttgaggg ggtcaagaga aggtcgatg ccaacaaata atgtgccctt 240
gacgaaatta gggtagaca gacgccccctc tctacttac ttttattgga gataaaaatg 300
aagtaaagat aagacactaa tttcggtcga gtggAACATG atttggccga tcaatatccc 360
tacccgcgga acctgtcatt cagaaaga 388

<210> 1819
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1819

tcggatgtnc gatntaggcg natattatat ttagacactt gatattgaat aacagaagct 60
ctcgagaaat tcgaatggtc ataactttc acacggatgt ccgattcggg cgcatataat 120

gtcgagacgc tcgaaattga acaacggaag ctctcgagaa attccaatgg tcataacttt 180
tcactcgag gaccgattca ggccataat atatcgagac gctcgaactt gaacaacgga 240
agctcccag aaattcaaat ggtcataact tttaactcag aggtccgatt ccggcgcata 300
ata 303

<210> 1820
<211> 378
<212> DNA
<213> Glycine max

<400> 1820

atgacaattt gaattgctct agagattcca ttgttcaatt tcgagcgtct cgatatatta 60
tgaatatgaa tcggacctcc gagttaaaag gtatgaccat atgaatttct cgagagctt 120
cgttgttcaa tttcgaggcg tttgatatat tatacgctg aatcggaact ccgtgtgaaa 180
agttatgacc atatgaattt ctccagagat tccgttgctc aatttcgagc gtctcgatat 240
attatgcgcc cgaatcgac ctccgggtga aaagttatga ccatataaat atcttgagag 300
cttctggc tcaatattga gcgtcttgat atatatgctc cagaaattga ctgcgagta 360
aaagtatgac catttgat 378

<210> 1821
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1821

gagcccggt agtcaaagag aagttcaagt ctatagccat caaagtctga agagagtatg 60
atgaactaag ggacgtcaat atggccaccg atgaagcctt ggaatgagaa accaagaagg 120
cccgaaagga agaacacgac caaaacaagt tttgagggc tttatagggc agcaatagt 180
agctcaagct ccgaagaggt gaaaggaatc atcacgggtc aaaggcatga tcttgaagga 240
cgagctaaag gttgcctta ggtcgaaaag aaatttgcctt caacagttaa agcgagactg 300
aaggaaatat gtggccatc atcgatgagt gcaaagagaa gctaaatcta gcggcgactc 360
acgagcanag gctagaggat gagtacgcca agatatcagc agaaaggaa gcangggana 420
gggttaattga ttca 434

<210> 1822
 <211> 460
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1822

tcaaactatt tgcttcccga gggaaattct ataaacagac ctcccatctt taatggagtg 60
 ggttaccact actggaaaac ccgcatacaa atcttcatacg aggcaataga tttaaatatt 120
 tggaaagcca tagaacaagg accttatgtt ccctctataa tagccggaag tgcaacaata 180
 gaaaaaccta gagcagattg gactgagaaa gaaagaagat tagtacaata taatttaaag 240
 gccaaaaata ttattacata tagcttagga atagatgaat actttaggt ttcaaattgt 300
 aaaagtgcta agatgtg ggatacacta caagtaacac atgaaggcac aacagatgtt 360
 aaaagatcta ggataaacac tttgactcgt gaatatgaac ttnttaggat gaatgtaaat 420
 gagagtatac aagacatgca aaagagggtc acacacatag 460

<210> 1823
 <211> 443
 <212> DNA
 <213> Glycine max

 <400> 1823

tggatactct gagtcacctg cagctgcagc ttgaattgt acatcatttg tgtaatctt 60
 taccagacac aaaagaaatt caaattcaa gtctgaagag tcacaactct atagaaacta 120
 actgtgtaat caattaccac atttatgtaa tcgattacca tgaagatatt ttgc当地 180
 actcccaaga gtcacaactg ttcaagaagt ttttgagtgg ccatcaaagg cctataaata 240
 ggtgacttgg gatataaaat tccttagagt tttttgaac aacattgtct tatcctctca 300
 aaaccaaatt gtcttatcac tctcaaaata ttccctggcc aaaacactcg caaattcaat 360
 aaggaatctt gatcgatctt caattgtaat atccttctct taaagagaga aaattcttgt 420
 tcttcttatt caaagagaat tga 443

<210> 1824
 <211> 415
 <212> DNA

<213> Glycine max

<400> 1824

ctaagctaag gaaccgacac acctgtcgac aaccccaaca ctaaacatga gagagaataa 60
aaaagacact tcactccaat tccaaacctg ttgctgaaac cccaaaaaac ttacaacatt 120
ctatgttct gttcagagga agaaggaaaa aaaaaaaagt agcgtggtt tggtagttg 180
aaaccgattc agctcaagtc aatccaaaca cacatttggga gaagaaacaa taagttcat 240
ttcgatttgc aattattcaa tggatggtcca agagcggtca ctcccaaat cagtgaactc 300
gaagccccac gcgcgcacgg cggtactggc ctccacgaag agcctcgatt tctccgcgtg 360
ggtctccgac aacctcgta ggatcggtgc agtggtgctc cttgtcgcca ccgtc 415

<210> 1825

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1825

agcttagtga ctnttttct ctcatttacc ttttattttt attgtaaaaa atgattgtaa 60
agcatggcta aaatcagggt tctacttaac ttcaaatgcc attcggtcgt ttgtttacct 120
ttccttggat ttgggttct agtgcacacc tgatggtagt agcattttgg ggtatgttaa 180
aaaaaaaaacga tggtaaaagg caggaaacg cttttaaaaa gctgagctta gttctctcac 240
ttaaccttat agaacgctga tggaaaatat gttcttatac tttaaattct aaagcaaatt 300
tttttcttct caatcagata tcccatatct tttaaaaatt gtgttcgagc gattctctag 360
attttctta 368

<210> 1826

<211> 447

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1826

atttctgtg gactntgaag gtttggaaacc tttagaatgga ccacatatacg agtcatggcc 60
caaggaaaca aatagatcca tggcgtgtac agttttggga tgctntgctt tgagattctt 120

tgttctaagt tccaactgga aaagttcctt tccaagatag gcatcaccaa gggaaagacat 180
tagacaagg tagtgctaat gaaatcangg acattcaact ttttaaatat tgtaatttt 240
taatgtttc ttttcatgt ctattctgtg attctgcagt atacactatt ttcccataat 300
tttagcgaaa caattgaaaa aggaaaagca aaaaaataaa ataaaggaa agcatatgtg 360
agattgaaaa tncgattta tctgaccaag taagtgatta naacataata accctttatt 420
tacataanaa aaacaaaaca aaacttt 447

<210> 1827
<211> 163
<212> DNA
<213> Glycine max

<400> 1827

agcttgcatttattatatt accatgatgt ataagcaaca agcttatata tataacttat 60
atatatacac tgagaattct gtggcgtgtg tctcaatttc tgtgtaagct aggatatcat 120
tttctgtgaa aaggtatccc tatctctatt cccctaccat tct 163

<210> 1828
<211> 382
<212> DNA
<213> Glycine max

<400> 1828

aaaatgaaga tacaataaaa tagtgagaaa atatatacat ttctaaatatt tttatata 60
aatattcaaa atataaaata aaagttctt gcccgtacaa caattctatt tataataatt 120
ctatatttacat cacataagat tacatttaat agaagataca catcattaa aaaaaatttt 180
aagtttatag atggacaact agaaactaag gaagctatag ctagctaagc tactacat 240
taataaagaa caaaacatta caagaaaagg aaataattaa aaaaggtaga taaagaaaa 300
agtgaggtga aagttcaaa ttttgtgtgg ttccaggctt gcaaaccat cctccagaaa 360
ggaattgttg agaaaaagta at 382

<210> 1829
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1829

aagagattt taagttata ganatgaaag tgtgaagaga gtatgaggaa ttaaggatg 60
ttaatatgg tattgatgaa gtttgaaat gagaaaataa gaaggntga aaggaagaaa 120
atgagtaaaa gaagtttga ggggttat aggnatgaa tagtgatgg aagcttagaa 180
gaggtgaaag gaattattat gggtnaaagg gatgatgtt aaggaagagt taaagggttg 240
gattatgtng aaaagaaaatt tgtttaata gttaaagtga gaatgaatgg aatatgtg 298

<210> 1830
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1830

gcttgcact acagnagata agtgaacata tgaagtgttc acagtcattt gatgggtgct 60
tggtagaggt acatgcta atactaataag attcctgtc caggatca ttgttttgc 120
atgactgatg gctacctgtt ggctggagat ttgggttcaa tctgcctcaa gtgttatttt 180
gaaggtagct gagataatct tttgttggt tttgttattt atatacctaa atttgggttc 240
aagactagtt attcaacatg tggattatgt accataagac tttcttaata agtgcattt 300
agtaggcag atgatctt cattgaagag gtgtgttcc ttctctgtt gggattcatg 360
acctataagt taatacatga aactgaaaaa t 391

<210> 1831
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1831

agatntagtg ttgcgagcg aaaggatcga agtaagtctg agaagaggta aatntgatta 60
tgctgctctg atgaataaga agcctgcggc aaatggattt aataagaaag agggagaaac 120
ccatgttgtt attgtcggtt ctacatggcc aaatttccca ctagctcaac aatatcaatg 180
cacaatttct ttcatttctt cttgctacaa ggtcatgaca aacgacaaca acatataacct 240
ccaaacccta caccaggcga atgacagaca tcatgcatga gttcaaaaca aacctagggg 300

cagacaagaa gtcctatggc ctaggcaagt taacgaaata aaaaaaaaaa caatcaaggg 360
cgtgttatga aaggttntgt cccaaaatcc acactggtaa agtctcttgtt caagaattga 420
aatgacaaat ggtcggttt cttcatcca aacacctgtat tat 463

<210> 1832
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1832

agcttgcattttttcagtag atttcacact catgtctaca aataagctct 60
catttataa gaacttataa aataaatgct tagttaactt gtttaccaaa acatgcca 120
gtctcaagta ataaacccat aaaggaagct ataaagaatt gaaaggtag tcacttgtaa 180
tttagtaaaa agtcatataa agcttgcata ttgctgttc cactaaaagc tatcaaagat 240
gttggctat tatcaacata atgaccctat tcgccaatc tgtgatattt caaatagcac 300
gcaccaatta atataaatta ttcaaagaga aaaaaaaaaac cactgtaata attgatagaa 360
aactccagac accatatatg atagggacca tattattgac gccaaatgag ataaaatgac 420
gtccccatatt a 431

<210> 1833
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1833

ctgactccac acacgttaga naattcagtc atttcttca ttagtgcttt ctttctttc 60
gcgaaagcca aatcacgatc tctcccattt gggatgggct ttaagattaa ttntggcgt 120
cccatgttct aaagcatatg cacatatata gaaattgatc aataaagcaa aacttgggt 180
catacggtgg ggatagagag atcaaataa caactagttc atgaattgat cgaatgttc 240
ggataagatg ttgttctaga aattttaaat aaaaaataat tcaacaaaaa agaaaatcat 300
caaggatcaa agaagaatgg ttcaagtcta atctctcctc tcatcaagga tttaagaaat 360
ttatagaaga aaaagtaaac tggtttgaa taatagcaaa aatgaaagaa aaaagggaaag 420

acagaaaagaa acaatagaga tatatggata gataataatt ttcctaacag ctg

473

<210> 1834
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1834

agcttgacaa gttataataa taataataat gttatTTTtat caaattctat cgtattcaga 60
gtttatTTta tttagatTTt attttatcca gattttattc catctatatt ttatTTTatc 120
cagattgtat ttcatccgat cttatCTTat ttatcaaga tttagTTta ttCGTTat 180
cggttggcc ttAAAATAGA ttgtAAact ttggggctga agacctaATC catacattt 240
ttaatattat atgttCTTTt gttttttta tatatttgg gctttaacga cttaatata 300
atatgatttt gttgatcaat tattcttggg atnttacatt acttataatga cattgtataa 360
gtttttt 367

<210> 1835
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1835

cttAAAATNT aaagactgaa ttaatttatt gttgaanat ttaacgatca aattaaatct 60
tttAAAATTt AAAAATCAAa ttaatttatt taaaataatt gaacgactaa ttcaataatta 120
aacCCttttt ttatTTTTt tgTTggtaga ctTCgatttC acattaacaa gtatcatgog 180
aatacacaac atcgatgttG ttGCCAAagg ttaagatttt ctgtctctt ttcaatccc 240
aatttccctt ttTTTctacc aaACCCCTCA ttTCCAACTC tccattatca ctTtcactct 300
aagtctctat cccttgaaaa tgTTgatgat gattgttccc aattcaatcg catgttgtgc 360
atgcatcata ccacacccat cattgaattt aacaagattt tagattcctt tgcaaagatg 420
atgcagt 427

<210> 1836
<211> 245

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1836

agctatgagc cattattctg tctcaacata tatcttgcact cagngcgaac aatcctatac 60
ttaccctcgc atacgcactg aaagagtacc gcgttattat acaatcaatc gatataaggag 120
agagatttat gtcaaggaca tgatttgat ttcttaacac aagagagctt aaatgcatac 180
ataatgtaat gaatatttga tctcgatgct gtgagaaaaga gcattggaga tgtactctag 240
attat 245

<210> 1837
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1837

ntgaggcctg cattacggac ctatgaaact cagccttctc aagtgtgttag cgtagccatat 60
tagcatcng tatgtgttcc gtacacctct ctaatttttta tggactgcct tcggctcgaa 120
tggatgtttca tcataattcc ttgatgtgtg ctcgaacatg tgttcatata aagacacata 180
acatggcctc tcacaccact acaccagatg gtcccatcca aataatgagt atgagcattt 240
tggatatagt gaggcgcacg ttgttgagtg taggactgtc cgagacctta ctgggcaaag 300
ctgcacacgc agcggcctat gtgatcaaca gatgttcatc atcagaccta atacttcaga 360
caccaatcga agcttggagt gcagaaccct ctacttacta ccaagtgtag atgtatggat 420
gactagcact tgctcatgct aacaatgaaa ctgctggtg ggctgtatgc gtgagtcatt 480
ggccatccg 489

<210> 1838
<211> 385
<212> DNA
<213> Glycine max

<400> 1838

agctatattg cctaacaagg caacttacaa ctttatgccg caagagactc aacataagga 60
tgcacaggcgtc aaagttgagt atgagaaaag attgtatgac caagtgaagg tgcaaattgc 120

aaagaagaat gaaagctatg ccaagcaagc caacaagaaa aggaaggaag tggtagttga 180
acccgggtgat gatcctggac atttgaggac aaatgtttc caagaaggag ggaatgatga 240
gaatcctgaa attggccaaa tacaggctaa aggcccaagt ggagaaggc aaaggcccaa 300
gtggagaatg ctaaagcccc cgagtggaga aggatgaagg cccaagtgga gaatgatgaa 360
cgcccatagg cagagacact atcaa 385

<210> 1839
<211> 447
<212> DNA
<213> Glycine max

<400> 1839

tataatatat tattacgctc gaaattaaac atcagaagct ctgcagatat tcaaattggtc 60
ataactttc acccgatgt ccgattatgg cgaatcacat atcgagacgc tcaaaattga 120
acaacggaag ctcttgagaa attctaattgg tcataatttt aactcgatg ttgcattcag 180
gcgcacatcaca tatagaagcg ctgcggaaagg aacaacggaa gctctcgaca aattcaaattg 240
gtcataactt tccacactga ggtccgatta cgattataa tataatcaaga cgctcgaaat 300
taaacatcga aagctctcga gaaattcaat tggcatcac tttcacacg gatgtgcaat 360
tctggcgcat aatatgtcga cacgctcgaa attgaacaac ggaagctctc gagaaattca 420
aatggctta actcttcaca cggatct 447

<210> 1840
<211> 461
<212> DNA
<213> Glycine max

<400> 1840

agcttcaag aaacttgcaa aagttattca aaatgaaaaa gattgaaaaa ttaagacctt 60
gagaagtgtat catagaggtg aattccaaaa tgaagatttt aaaactttt gtgaagaaaa 120
tggatttca cgtgatttt ctgctactag aacttcacaa caaatgggg ctgcagagag 180
aaaaatgg tggcaag aactagcaag aactatgtta aatgaaacta acttagcaaa 240
ttatTTTgg acggatgccaa taagtacaac ttgctatgtt ctcaatagga tttataat 300
acctatTTta aaatccacac cttgtgaact ttacaaagga agaaagccta acatatcaca 360

cttaagggtc tttggaagca aatgcttgc tttgaataat ggaaaactat acctggca 420
agtttgcattc caaactcaat gaagcactct tttacgata t 461

<210> 1841
<211> 370
<212> DNA
<213> Glycine max

<400> 1841

cttgaatcta agcttctaag gaagtttctt caagaaagct tctcaaggaa gctacctagt 60
ctataaatag aagcatgtgt aacacttggta tgaacttgc tgaatgaaag tcttatgaga 120
cacacttcaa agttctactt ctccccctct tttattcctt caatttcgtg ctccccccctc 180
tctctttctc tcctctttc tttccctcca ttgaagcatc cttccaagct tottatccaa 240
ggctcatctt ggtggtaag ctcccttctc catggcttat tccctagtgg atggcgccctc 300
ccttctccctc ttctcccttg cttccgctg catctccatg gtgaaaaatc accattgaag 360
gacctcattg 370

<210> 1842
<211> 492
<212> DNA
<213> Glycine max

<400> 1842

agcttaagct tggtatattt aacttaatag gctttaaat aagcgtaagc ctaacccttt 60
aattaaatag gtccgttcag atcagacttt atgtaagtca gatcgtaggt ccttataagg 120
cggtctgacc tattcccacc cctaattcata gtttattaa ttctctgacc cttaaggca 180
tattataata tttatatac tatttacatt taaagaaatt gtatttagac gaggctggcc 240
taacgattag ttagacttaa agtgatataat gatagtgcata tatatgattt ttcttattta 300
taaaaaattaa taacaatttt tttttgttg aaactaaaac ttgagtggt tattgtata 360
gaataagaaa aaatattgtt tctcgtaaaa ttactttcta acaaaaataag gggattatac 420
tggacaaaca agtgcactt atgttgac agttgtgagg aataccctta ctcacccggc 480
cattttattg at 492

<210> 1843
<211> 273
<212> DNA
<213> Glycine max

<400> 1843

cctgtacctt ttttttat ctttgatagt gtgtttgggt atgttattac ctttttcct 60
ctggctcaact actttccgag gttgatgtaa ctgcctattt tcctaattgcc ttctttgagt 120
tgactttct ttactaatat gaaatatacg acctaattt aatttagaga taatctccc 180
atttttccc atcatgtatg tatgagggtgg agtgcgtttt gtgattctag ctgctgaata 240
tacttgtctta catatattaa aagccatcaa atg 273

<210> 1844
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1844

agctttgagc caattcaaac gacaataact ttttactcggt atgcctgatt gaggccccgt 60
atatatcgag acgctcgaaa ttgaatgtgg aagctctgag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgacgcccga aatatatcga cacgctcgaa attgaatgtt 180
gaagctctga gcaaattcaa acgacaataa cttttactc ggatgtctga ttgagtcctg 240
tcatatatcg agacgctcgaa aattgaatgt tgaagctctg agccaattca aacgacaata 300
acttttactt cggatgtctg attgagtcctt gtaatatac gagacgctca aaattgaatg 360
ttgaagctct gaggcaattt aacgacaat aacttttac tcggatgtct gattgagtc 420
tgtcatatac cgagacgctc ganattgaat gttgaagctc tgaggcaattt caaacgacaa 480
taactttt 488

<210> 1845
<211> 590
<212> DNA
<213> Glycine max

<400> 1845

gacactatag aaactaagct taacattgaa ttgcgagcgt ctcgatatac tacggccctc 60

aatcagacat ccgagtaaaa agttattgtt gtttgaattt gctcagagct tcaacattca 120
attccgagcg tctcgatata tgacggact caatcagaca tccgagtaaa aagtcatgt 180
cgtttgaatt ggctcagagc ttcaacatc aatttcgagc gtctcgatat gtgacgagag 240
tcaatcagac atccgagtaa aaagttattg tcgttgaat gggctcagag catcaacatt 300
caatttcgag cgtctcgata tattacgaga ctcaatcaga catccgagta aaaagttatt 360
gtcgttgaa tttgcctcag agcttcaaca ttcaattttg agcgtctcga tatatgacgg 420
gactcaatca gacatccgag taaaaggtat tgtcgttgaa ttggctagaa cttcacaatt 480
aatttcgagc gtcttgatat atgacggact caatcagaca tccgagtaaa agttatgcgt 540
ttgaattgtc taaagcttca caataaattt gagcgtctcg gtttatgacg 590

<210> 1846
<211> 817
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1846

cacaggaagg gagagggaaa atacataaga agaaagctnc gggagaaaaaaa aaaaagaacg 60
aataagagcc ccntgggttg agctgtgaca ggcgnntngg aaanagcgag ggagaaaaaa 120
aagaagaaaa ggagggggaaa atttttgtg aaggggaaag agagaagggg gggggaaaaaa 180
ggagaaaaat gggagggaga aaaagagagt gttgagaaga gaagaggggg aagggggaca 240
agcagaaaaaa gaaaaaggta aaagggtcag gaaaggaaaa gaagggggaaa atgagaaaaag 300
gagagcaagg gaaaggagaa gagaaaaaaaaa agggggaggg aaaaaaaaaa aggagaaaaaa 360
gataaaggaa aagagaagga agggaaaaagg gaaaaggaa agaaaaagag ggagaaaaaga 420
gggggaaagg aggggagaag agaaaggagg gaaaagaag gaaaagaaga tgggggagaa 480
aaagaaggaa agggaaaaag aaggaggggg gaagagggaa gaaaaatggg aagaaaaatg 540
agaagaacaa aaagggggaa gaaaaaaaaa ggaaggaaaaaa aaagaggaga gaggggggg 600
gaaggaaaaaa aagagaggag agaaaggagg gaaaagaaga agaaaggggga gaatgaagag 660
ggaagggggga agaatggaga aaaaaagg aagaaagaag gagagaatga atgagaagag 720
aagaaggaga aaaggaggaa gaaagagaag ggttagaaga gaaaagatag aggaggagaa 780
gaggaaagaa ggagaaggag gagaggagg aagaggg 817

<210> 1847
<211> 836
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1847

ttggtctgat cgatgcnatg gcgacaccat ataatatcta. agactgagac gaggaagtgt 60
acaaaggta aacttcctgc ttctatttt ttttattgtat gtggtcccgg agatatgatc 120
acgggggtct tgaaacccctg gggaccgctt gtggggtgct aatttccata accaagctt 180
gaacaattgc gaacgtaccc actcgatgt tgtcaaacag aacctgtgtt aggactaaac 240
aggtgagctt ttgtcggca agatatatgg ggaacataca ccacataacct taggggcctg 300
ttgctggctg gccagcatgt agatatcgat tgaatatggg gttgcggctc ctcgttattc 360
tattccaaag atggcgtcca cattaaatg ggttcaattt aagactgtat gcttagaatg 420
tattttggtt attgatatat agaggatgtg acctattgcc ttctcgaaa gatggaaagg 480
atcaattgtt acattacact aatgcagttc gtatggtac cattgcctaa atcttttgt 540
agagatggtg ccgtatgtcc ttcttatatt ttgatttagat cctattggg tgatttctag 600
tcaaaagaat ttgatcagat tctctgaaa tattagctt tttgggttgtt atccacgtga 660
acgaacagaa ttgcttgca aactacccta tcggttcata tggaaaagaa gcgcaagcga 720
ttcgattcat tatgaatagt aaatagatac accgtattgg gagtgtatgg tctacgtttt 780
aattttcatt gaaacgtcaa tgggttcgtg tctttcttgtt actccaatgt gcgtcg 836

<210> 1848
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1848

agcttggta aattgccatg tttggatgag ttatacatac ccattctgnt nttagggttnt 60
gtgatgatgt ttatatgctg aaattgccta tggaaactgt tagagatgaa gggtagagtt 120
aacctagggt tagaaagtga gaatgtggtg ttgtgagtgg aaaaagagtg aggcttttag 180
agttgaaagg ctaagtctga attctgttgtt aaatggagat taaaatgagt taataactagc 240

ttgaaatgtc atttacgaca tgtgagaaaag gttacgctga cctac

285

<210> 1849

<211> 515

<212> DNA

<213> Glycine max

<400> 1849

tcttatccaa ggctcatctt ggtggtaag cttttcttc catggcttat tccttagtgg 60

atggcgccctc ctctcacctc ttctcccttg tcttccgctg catctcaaag gtggaaaata 120

accattaaag gacctcattt aagctcaaag atccaacctc catagaagcc ctacaagcaa 180

gcttccatca agtggtatca gagcacaaga gttcaagta ggtgatcctt aaacctccat 240

taattttgg ctttatcttc tttccattt tggttcttc attttcccc atgtatctcc 300

ttacatgtct tggctaaat gttgttaaca taattctta gagtttcac cgattaaact 360

tgctataaaa gctagattt gtttctatg gttcaaattt cttgttcttg ttcttgaacc 420

atgaatagtg ttgagttaa gttccttga gtttggcat gctattttt gtggatgaaa 480

cctaaaccat aaaattctta ccaaaatatt aaagt 515

<210> 1850

<211> 82

<212> DNA

<213> Glycine max

<400> 1850

agcttgttg gctctatcca tatttgaagc ttattatatc gctgctgctg gttgttgtgc 60

tcatatcttt tggatgcaaa ca 82

<210> 1851

<211> 301

<212> DNA

<213> Glycine max

<400> 1851

gtaagctgg tggtaaacca aacttttagca atataaaata gtttatgtta cacggactg 60

aagtgtccca aattgcaaac tgataaaaga caagaaattt tgtttgcagg tacttactcc 120

ttcgtactcc ctccaaggag gttccccat gaacatttct ataattgtac aacccaaact 180

tcaaatatca acaacgaaag caacgtcaa gctgttatct tttgcacaa ccgcttgaaa 240
aagctacatg tatgtggaat aagtgttat agagaatgca tgagacatca tgaagtaaaa 300
t 301

<210> 1852
<211> 553
<212> DNA
<213> Glycine max

<400> 1852

agcttccact ccttgatgt ctcattat acctgcttcc ccggaaatat acctgccaat 60
tacctccgt aggtttta tgagtagagg gggtatggtc caagtaagtt tgaggtcat 120
aaggcaaatac tggtagctgg cccaaactgag gcccacattt tatggactta gcctgctgtt 180
cagctctgtc ttccattatca tatattgtt tattgcctc ctcatgtat tgcttaccct 240
ttagcctgct gtccagtagg tccatttaac ccatgcaatt ttttctgat caaggccacc 300
accctataagg aacccctct ggattagccc cgattggat tcccaaataa gagaaaggca 360
gaggcatgat tttgcaattt agataattgg cagcctgcaa ttttctgt tcagataggc 420
ccaaacacccc acagctgctc ttccataat ttatTTtaag tcccttgctc agctgagatc 480
ttgctgactt tcaacacacc cgccttccc acccccggaa cacacacccc ccctctacac 540
agtccccctt cac 553

<210> 1853
<211> 934
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1853

acagcacaca gtggatatac tatctgaact caccaacgca tcaattgaaa ttgtaaanaga 60
gagaagatta ctgtgtctga ntctntaagg gtnnnnnnnn nttgctgctg nctctattag 120
cgacacntan aannanaaaa cccnagcccc taacagnaga caaaagaaag aagggttca 180
gaccgttcat ccgcgtatgg a ggcaggctaa atccggggcg acgtggaaat ggacacccga 240
aagcaccaag gacggtgtgg acaacacccgg gaaaaaaagg cactaaccaa ggaaaacagg 300

gccccattta gcaaaccgc ccagaacccc cgagggaggg atgtaccatg taaaatgaaa 360
tgggtctcac taaaaactca ggactcataa aacgattgga gcaaacaccc tcaacaatgc 420
tggacacttg caagaaggc ggagaaaagc accaggccat catgaaggca aaacatactc 480
cccccacgag ctggcccgcg ggggggaaag aagtatcaa aacaaaagcg gaggggcgag 540
aagaccaaga aaaacccgag aaaggctcca agtntggaag ccctgagggc gcaataaccc 600
ctcaatcccc cataagacac accgagaaga ggaagaaggc gcgcaccaaa aaacctggag 660
acaaaccgtc aaggccgcga aagaaaaccc tgagaacaag gaacggcaat tccaacaaa 720
actgaacaaa gggccttac aaaccaaagc cgggacaaa acaaggctca cggccaggac 780
taacggaagg accagggcaa caaggctcgt tgccccgcaa ggaccacacg aaagaccgaa 840
tggaaagcgca ggagaacaat aacacatgca ccgcgaccgg cgcaggtacc gcaggcccc 900
acaaaacagc taggaacgag cacaaagatg gcc 934

<210> 1854
<211> 600
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1854

agttcatgc ttaagtatgt atggcaaaac ttgttactg ttgttcaaga catacaagtg 60
agtttgaac aaatgttcta cactggagt gatcacatgc agtcctctt aacccttacc 120
acccactctg tcttcatgcc gagactcgag aaggctaaca gtttagcct tctctaagta 180
ttctgaacaa aattcaatgg cttttctgc aatgtacctc tcaacaatag atgcttctgg 240
acgatataga ttctttgtat accctttaa gatcttcatg taccgctcaa ccggatacat 300
ccatcgtaga taaacaggac cacaacattt gatttctctg accagatgca caatcaagtg 360
aatcatgatg tcaaagaaag cagggggaaa atacatctcc aactggcaca gtataattgc 420
ggcctcattt tccaactcat caaacttgac aggactaatg actttgctac atatagcatg 480
gaagaaaaat cacaggcgag ttatcactaa cctgactttt tttggcaaga tgtcttgtat 540
agcccaccac taacaaatgg ttgcatgagc acatganaat cgtgagactt ttaaccctac 600

<210> 1855
<211> 449

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1855

tgtcaagctc cccacgtagt ttctgcataat cccattacca agagattgtt aggctcaagc 60
atggcttaaa acaggattag gtcctctca aatgagggga acacacttta gagtttgatt 120
tcatcacaat taactattgc gaatgcactt cctcgcttta aaggagccat atcccttata 180
aagacaaaagc atcagagctt tgctggaaa ggatagaggg aacattaccc ttattaactc 240
gatgacactt ttcgaagcag agaaatgacg gtaacctcca agcatgtcaa tgccctcacc 300
acttttgcta gggacaagat taccacaaa tagaagtagg gcataatctg aaatgttcgt 360
agagtcttta atatagatgc tggtagttnt cacctttca ctatacacca tgtaaggaag 420
aggaaagaga taaatcccag cattaacag 449

<210> 1856
<211> 229
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1856

agttggag gattgatgg gacccggtn ngtgnataaa cgaggatatg ggctacgtgg 60
gagtatgta gtcagttgg aggtggcaa catggatgg tgggttatg cgcgattgt 120
ggatgtggaa aacttgtgt gcaccatcgc ccgaccgtta cctaatacca catgtgatgg 180
ttaccctata ttccctcgtt gattcttac tgaagagttt aacggtgaa 229

<210> 1857
<211> 464
<212> DNA
<213> Glycine max

<400> 1857

tgtgaagaa tgcttggaaag ttttttagac tttgaatgaa aaccttgtat ctgccgcaat 60
aatggttgtatctgactaga gtaaggagtt tgagttgtatg tgtgtatgcca acgactatgc 120
tgtgggtgca aatctaggac atcgacgaga caagatattc catccatat actatgtcaa 180
caaggtcctg aataacgcac aattgaatta tgcgactact gaaaaggaaa tattggtaa 240

cgtctatgcc ttagagaagt ttcaatgctt tctggggc tccaaggctcg tcacatccac 300
agatcatgca acaatcaa atcttcttac caaggcagat tcaaagccaa ggttgataag 360
atgggtcttg ttgattcaag agtttgacat cgtttcaaa gacaagaaat gatctgagaa 420
tgtaatagct gaccatttct cccggtagt gaatgaagaa gtga 464

<210> 1858
<211> 896
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1858

acacgacact gtgggattcg aagatgcga ttcaactac agcttgga tgctatanta 60
tcgctataca tagttataat tcacaaagaa nnntnnnnt ggtctgacgc tgcataccnt 120
ggccnnncnca ngaagaannc aaaactcaag ccactagact catttttcag aaactggcc 180
attttatctt tcattgctgg gacccagcat tcagggaca tagcagaatc tatgcgtatc 240
ggcccaatgc cgaaaaggaa aagaagcatg cttagaaagag ctccttgcga ggacatttgg 300
cctaagtcac caaagactca agaatccga tgagggtgtc tcaacaaaca taaaataggc 360
tctttgacta cttcaaggaa atcatccatt cgagagctgg aagcaaccta atatggctga 420
atgaacaggg aacacgcgat atatccaagt gctcaatgtg caaaggacta cccagctgtg 480
aaatataggg gggggcta at gcctaaaaa ctacaggaag gagcttaca aaacaagggt 540
ctaaagaatt cactccatag ggcgtggta aagggatat cccaccgaga gtcctgaacg 600
ccatgggagg cgaaacctgc caaggacaac tggggacga aaagaaacgc ttacatccaa 660
agggcgaaa taagacgaac agagccaa acg tccagacaaa aggataggaa ggcgtcctta 720
gaaggccccca ggcagacgtg cggtgtaaaa aaccaccgga tgataaaggg acgccccgag 780
cagaaaacaa tgcagcagga gcaaggacgg gcctaggggg aacccaagag aagcacaatc 840
gaaggtgctt gaccgagagc gtacccatcg aagggcgggg tactgaacaa aacggt 896

<210> 1859
<211> 191
<212> DNA
<213> Glycine max

<400> 1859

agcttgcttg tggagattct atggagggtt gatattttag cttcaatgag gtccttcaat 60
ggtgattttc caccatggag atgcagcgga aggcaaagga gaagaagaga ggggagacac 120
catccattag ggaataagcc atggaagaat gagtttcacc accaagaatg cgccctaggat 180
aacaagcttg c 191

<210> 1860

<211> 573

<212> DNA

<213> Glycine max

<400> 1860

ttaattataa gtaacaaaac aaaaatgtga ttgctgattt cagttttttt atgaatttat 60
ggtttcattt ttaattgcct tgaatatgtt tttgtgacta aaaatttagt atttttttat 120
ttttgatcca tataaattta ttttctaat tttaattctt ataaattttc gttgttttt 180
caatttttat ctttgcataa tattttgtat atttttttag tcattttttt atgtgttttt 240
taactctgaa aaactataaa taaaaatca taatttttaag gaactaaaat taaaaaatat 300
aaactcaaag aaggactaaa aatgaataaa gaaaacttac tggacccaaa gtaaaaaaaa 360
tgaagagaaa aattaaaaaa gaataaactt aaagagaaca taatgtaaaa aaaatactta 420
atgaaactaa aaacatatct aaagtatttt taatctactt aaatatatta tatacgatt 480
aatctttaca aaaagatatt aaaagcgaca aatgtgtata taatgacttt taaactggtc 540
aattcatttc cttaaaaagaa taaaaaaact gtt 573

<210> 1861

<211> 112

<212> DNA

<213> Glycine max

<400> 1861

agcttaagc caattcatac gacgagagct tttttttt gatggacgt ccgtcacaca 60
tccgagcaaa aagatactgt cggttggaaat ccgctccaaa gctttcaaac at 112

<210> 1862

<211> 62

<212> DNA

<213>	Glycine max					
<400>	1862					
taaacattca	attcgagag	tctcggtata	ttacggact	cactcataca	tccgaggaaa	60
aa						62
<210>	1863					
<211>	264					
<212>	DNA					
<213>	Glycine max					
<400>	1863					
agcttatagt	ggagtagcaa	cttttatatac	ctttatttgc	ttttatttctc	ttacgaactt	60
atcctttccc	acaagatctt	tacacaaacc	ggtttcaaa	cagaacataa	aatttgtat	120
ggacatgcga	gtccacttta	gtctgggt	agacctaatt	cccaaggcgg	gaagcaatag	180
caatgtgaca	aaagctattt	tcttgctg	atgaaataca	tagatgctga	atcacctact	240
cactaaaaaa	gagccgtgtc	ggcg				264
<210>	1864					
<211>	474					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	1864					
tgatcaaaac	aaacatctaa	tcattccaat	ccactcaatt	cattcatttg	ctcaattaat	60
tcattcgcaa	acactcattt	cataaaaaac	aatccactac	atatcatttt	caatcagctc	120
actgttcaaa	caagttttt	gtacaagcaa	tcaactcaaa	gtactgaaat	gtttaaagac	180
tagaattaaa	acaactgaaa	tataaagcaa	actaaatagt	tggtaaacta	aaatgttcat	240
gctttgtaga	aattaaacta	aacacgattt	aaacaactga	acagaattta	aacatcttgc	300
tcatcttgtg	gctgatctc	attaagatcc	agtgctggag	ctactgatga	atcctgaata	360
agctactctg	gctccatgac	tggtaagat	agcaaggct	ccttaggagc	agggtgcata	420
gatggctntg	gtatctgatc	agtagaaagtc	tcctcctgag	ccatgtgtac	atct	474
<210>	1865					
<211>	370					

<212> DNA
<213> Glycine max

<400> 1865

tctatataag ctgaaccatt ttatcaataa acacaagttg agtttattc agaaaattag 60
agtttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaagga ctttcacaac ctttgtgtgt tgccctcgct ggaaagagtg 180
attcttcct tccaatcatc tccacccttgc ttcttcaaa ccacaattcc agaaaatcca 240
cctctgccc aaattatctc gtgaaaggc tctgttgaa attcaatttgc ggctcaagaa 300
tcacttaatt tgagtgtgtaa atggaaat tatggtcacg agataatttggccgaaataa 360
atgggaaaat 370

<210> 1866
<211> 138
<212> DNA
<213> Glycine max

<400> 1866

agcttagta atggcgtgat ttagataaag gacatactat acacaccagg ttaaacatga 60
ttcaatctca cgtttttaat gctttttcc ttacccactg accaacttca tgaacgtgg 120
tggatttgta tggagtgg 138

<210> 1867
<211> 428
<212> DNA
<213> Glycine max

<400> 1867

tcacagtgcataatcacctt gagtactatc tctggggct cttcatcctt tttctttct 60
tccttctttt cctctgtggc ctcttcttc ctttcttctt ctttgttctc cttaacagc 120
aaagagaata ttaattgaat atagcaaaga tgtgactgaa aaatctccac catgtgtaga 180
actagagtat atatggcatg cattacttga taatgtatgcc accaccatat atatcataga 240
gcagacatta tataaaaaaag atcataaaaag ttaaaaaaaat gcatgatcct agtcctata 300
tgttagttgt tctaaggcta aagttgtcga aaaaaggaag agacagatttgaataa 360
aatagacaag aattttctgt gtaagagaga actcttactt cacccattt ctgtgacaat 420

gaacaatg

428

<210> 1868
<211> 751
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1868

cttatctcta tatgtaatcc ggagncttg caattgcgcg cggaaataag cctggggggc 60
tccccacccc acccaaccaa cgccctccgc tctctccccc gccaccacacg ccccccacacg 120
acgccccccc ctccctcgc ctcacccctc tcagtcctc gtcctccctc ctccccccccc 180
tctcccccacat cgccccacac ccctccctcc cacccccctcc ccccccctcc cacccccccgc 240
accccccctt ccctctccctt caccacccccc tcctcccccctt ccccccctccctt ccccccctccct 300
cacccctcac ccacacccctt cccgcacca cccacccctc tctccctccccc gccccaccaa 360
ctctctccctc tcctcccccctt ctccacccccc tgccacccccc acctcccccctt cccctccacc 420
cgtccccccc accccctccccctt ctaccccccctt ccccccctccccc ccccccctccccc 480
ccctccccccc tcccccgtccccc ctcccccgtccccc cggccacccccc cctacccccc ccccccctca 540
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ctccatcgac cctcccccctc cccgcacccccc cccctccacc ccccccactt cctcccccctc 660
ccccccncctt cactacccctcc tcctccctccg cttccctca tcctcccccctt tcctcccccct 720
cccccccccctt ctccatccccctt cccctccccc c 751

<210> 1869
<211> 256
<212> DNA
<213> Glycine max

<400> 1869

caccggcgag ccttgaatt gcttcgatta agtatctatg agacacatgt ttccctaccat 60
accctttgac cagtcctga gcaagtaata tttatcctg gatattccta ccaggaataaa 120
aagctgaatg agtgttttc accacactat ttatcacatc actcagtctg cttagtcaaaa 180
tcttcgatgt gacccatataa atttgtctac aacatgatat tggcctcatg tctttgatgg 240

ttttgcctc cgggga

256

<210> 1870
<211> 420
<212> DNA
<213> Glycine max

<400> 1870

agcttcaaca ttcaatttcg agcgctcca tatattacgg gactcaatca gacatccgag 60
taaaaagtta ttgtcgttt aatttgctca aagcttcaac attcaaattc gagcgtctcg 120
ttatattata ggactcagtc agacatccga gtaaaaaagtt attgacgttt gaatttgctc 180
agagcttcaa cattcaattt cgagcgtgtc gctatattac gggactatat cagacatccg 240
agtaaaaaagt tattgtcggtt tgaatttgct cagagcttca acattcaatt tcgagcgtct 300
ccatatatta cgggactcaa tcagacatcc gagtaaaaag ttattgccgg ttgaatttgc 360
tcaaagcttc cacattcaaa ttgcagcgtc tcgcttatatt acaggactca ctcacacatc 420

<210> 1871
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1871

ntgagcaaat tcaaacgaca aaagctttt actaggttgtt ttgatttagt cccgtaatat 60
atcgagacgc tcgaaattga atgttgaagc tttagcaaa ttcaaacgac aacaactttt 120
tactcgatg tctgatttagt tcccgtaata tatcgagacg ctccgaaattt aatgttgaac 180
ctctgagcca attcaaacga caatcacttt ttactcgat gtctgaatga gtcccgcaat 240
atattgagac gctataaattt gaatggtaa gctttgagca aattcaaaca acgataaccc 300
tgtactcaga tgtctgattt cgtcccgtaa tatatcgaga cgctcgaaat tgaatggta 360
agctctga 368

<210> 1872
<211> 533
<212> DNA
<213> Glycine max

<400> 1872

agcttttagag gactacacgt ctgcgccttc agaggactac tagtcctcgc cttcagagga 60
ctacacgtcc ttgccatcatcag agggctacac gccttcacca ttagaggact acacgtcctc 120
gccatcacaa gactacatgt cctcacaatc agagggcaac acgcccataac cttagagga 180
ctacacgtcc tcgcccgtcag aggacttcac gtcgtcacct tcagagggt acaagccttc 240
accttttagag gactacacgt cctcgcaatc agggggctgc acgcccataac cttagagga 300
cttcacccctcc tcgcccgtcag agggcagtac gccctcacct tcagaggact acacgtcctc 360
gccatcagag gactacacgc cctcaccctt agaggactac acgtcctcgc cattagagga 420
ctacacgccc tcgcccgtcag aggactacag gtcctccct ttaaaggact acacgcccctc 480
ccttttagac gactacccgc tctcccttt aaaggcttcc acgcccctcc ctt 533

<210> 1873
<211> 258
<212> DNA
<213> Glycine max

<400> 1873

ttttggagta gaaacatggg accaactcat ttatTTTG aaagtcttat caagtcaaga 60
tctgagagac catacaagtt tcctagcggg ttctaattat atggccatt aagtcttatca 120
tatgctgaca atagctgaga agcccatgaa ttcttccgg ggccggatcaa gtgtccgcca 180
ttgcccTggc tatggctaac aatcgggaa gttcttgact cccgttcaag gtaagagcag 240
accgatccat tcacatgg 258

<210> 1874
<211> 163
<212> DNA
<213> Glycine max

<400> 1874

atcatctatg atccttatatt tgccacaagaa ttattgtct tgtcgttgtt ttaccctata 60
acatgctgga acaactcggt tcttttcaa caaaataaaaa tgactagatt gtattaataa 120
caggtaaacc aacctatttc acacatgctt ctcaagcata ttt 163

<210> 1875
<211> 471

<212> DNA
<213> Glycine max

<400> 1875

tacttttgc tttcctatag atggtttcag ttactatatc ttttatgaca gtcttgagct 60
ggtcacaaaa ggtcaaaacaa tagactatgg aatgaacctg cactttgtga gcttaattga 120
tatgtcaagt tacaatttgt ctggaataat acctccccaa atgttcagcc tcattggatt 180
gtactccttg aactttccc acatcaaatt aacaggacaa ataccaaatg agattggcaa 240
cattgaaaac ttggagtccc ttgatttctc aacaaaccaa cttcggggtg aaattcctca 300
aggccttcc aatttgcct ttcttgcttc ctttagacctg tcatttaaca atttcacagg 360
caaaaatacca tcagggcacac agcttaagg gttcgtgca ctcagctata taggcaatcg 420
caatcttgg gacctccact ttcaaaaattt tgctgcaggg tagtgaacct a 471

<210> 1876
<211> 379
<212> DNA
<213> Glycine max

<400> 1876

agctttgaag ttttcacct tctcgctaag ccaaactact ggcttagcga gcgtccgcta 60
agcacaacac tcatgggcta agcgcgtgga agactctgga agaagataag ttgtacaggt 120
tcgttaagcg caccgcttca tctcactaag cgccaccgctt cagttcatcc gctaagcag 180
aaaggcacgc gctaagccga aattcactaa tgtgcgctaa gtggccata agtgtgctaa 240
gcgcacgagc acgaacacga ccacctattt aagcctgaaa taagattta gagggagtt 300
ggattggat tcagagctt gcatgtctag agtttctaga gagagaaaagg tccaagctc 360
aagagtttg agagatttt 379

<210> 1877
<211> 422
<212> DNA
<213> Glycine max

<400> 1877

tgactattgg attccaaaat gatggaaaa ttaatgtat tacacacaaa atataagttg 60
ggtggttaaa ttgtagaaac acgagtggtt atttgtgacc gtaaggaatc taccaaggtc 120

aaaggaaaagt tttattgtac tgctatacga ccaacaatac tctagtaatg agtgggtggc 180
tttaaaaaga ccacaagaaa aaagtgagag tagcataaaa gagaatgttc ggattaatgt 240
gttgtcattc aagaaaggc aagatacaa atgattgtat atgagaagat attgatatga 300
cacttatcct gaagatgaca acaaaaaatc aattaaggca gtttgaacat atgcaaagaa 360
ggccactgaa ggcactggtg aggagagtag attacatgaa ttttagccat ttgaataaaa 420
at 422

<210> 1878
<211> 189
<212> DNA
<213> Glycine max

<400> 1878

agcttgggtg ggttccactc cagaatccaa attcaaaagc aaaaatagtc attccttgat 60
ccatatggc tttattggc ttgtAACATG gtcaggggt aagaaggcta tgaaagaaaa 120
gatcaaagag gctcaaagag tggtaaggg ttatatttag taagaacctt gagatccttg 180
cctgtactt 189

<210> 1879
<211> 327
<212> DNA
<213> Glycine max

<400> 1879

tgcctcaaag aggtccagga aggacaaggc ggccgatgga acttggccg ctctggagta 60
tgacagtcac cgcttagga gcgcgttaca ccagcagcgc ttcgaggcca tcaaggatg 120
gtcgTTCTC cgggagcgc acgcgttacgt catggacgac ggttataccg atttccagga 180
ggaaatatgg cgccggcggt ggacatcaact ggttactccc atggccaagt tcgattcaga 240
aatagtcctt ggttattatg ccaatgctt gccaacagag gaaggcgtgc gtgacatgag 300
atcctatgtt aggggtcagt ggatccc 327

<210> 1880
<211> 888
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1880

ccacatagca cttcgctgca canacacnan agntaanccg cccgcacgct gccttcata 60
taggactgca tagcctgcgg cattttatt ttatggccg gaacctgctt aagagcgacc 120
cgcgctagt gcatgatgaa gccttacat tctttcaaac agttgtgaag agataactcct 180
ctctcttgcc atctatcaag actacattgc gcctcacaac ctacagggcc agcacccccc 240
ctaactctt acaagcgaca ctcgcgtctc tccccctgca caccgacttc ctcgtcctcc 300
ctccctccga gccctcccta gccctccacc cccagaggct ccaccctcac atccccctcc 360
cgcgctgcg ctcacccctct ccctcatacg acctttccct ccccgcccccc ctaagggtccc 420
tccctctcc cttccagct tggtaactgc ccctcccccc tccaccccca cgacacgctc 480
gcccgtcaca accctttcg gttacccccc tcccgacccc tccgaccccg cctgccatcg 540
aaatctgact cgctcctcta cccacccctgc cctcccccc ccctcccccc cctctgcgccc 600
tctccttccg tcctccgtct cactcctcta cccctttcc cctccctact caccctctc 660
ccctctccta caacacccac ttccctccgct ctactatact cgctgctccg ctcacccctc 720
gtaccacgcc ccgcttctcc gtcctctcgc gccactgcn atacccactc tctttccgc 780
ccaacgtcac cgctccctatt ctcccttctct cggcccgct ctccacctat tctaccctct 840
actctcctct ccgtcccccc taccccgccg ccgtacctac ccggcccg 888

<210> 1881
<211> 301
<212> DNA
<213> Glycine max

<400> 1881

agttcttagc caaatggact tacttgaat taattccttt ggttagccctt ttgagccttg 60
tttcccttcc cttgtttga agtcactac aagccttaag tgaaaaacca tgatattacc 120
atatccttaa ggaattttgg agctttggaa ttgtttggg aataagtgtg gggggttact 180
gcaaggctat agcgcataag cctacatccc gaccgttggg atctactacc aaacatccac 240
accttactct gcactacact ttccacagcc caccacacac aagcattttt ctgcacttgc 300

g

301

<210> 1882
<211> 431
<212> DNA
<213> Glycine max

<400> 1882

ttacagcaga ttttagtaat gacccactaa cctagaatta aatttactta atgccattaa 60
cctagggaat taaaagaact taatggctgt gaaattgtgg caaccaaaag tcaccccaa 120
cagccaacaa gtcatccacc atttggtctc ccaaaaaggct gatgcctaag ttgccaattg 180
ggcccttatt acaacttgaa ctaaacctaa ctaaagccct ttttaggtgat taacccaaaa 240
catattttg gtcagtcaac tttaccagga ttggccatt atttatacaa actaaacact 300
ctaaaattga gacaaagtgg tgccattnag tcctccttca tttggccat gatacaactc 360
ataaccttgg acttttcttc ttgaaacttg ggcatgtatt caaatagtgat ggacaacact 420
tgttgatgag c 431

<210> 1883
<211> 186
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1883

agcttccact tattagtgc tagctccttc aagaatttag catatctgg aatttgcttt 60
attgcattca gcagaggcat gtttacctct actttccaa atgttccaa gatctccttc 120
tctgcctctt ccattttttt gntggaaatt gctcttgag ggaatggaaa agggatatgt 180
tgcttt 186

<210> 1884
<211> 886
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1884

natatatcta cgtagtanct gtcactatan acatactnnn ngcctttga gatcctaaga 60
aaagagagcc atatgtaatc ttgaggggag caaggcttcc ctttttattc tggaaanagc 120

gccaccggag ggcctgagag ggtataatta taatcgccc cccacgtgca cccaatcgga 180
cctcacgcgc atagaaggaa ggaaaatatt gccccacggc caaacgtgac gggtggcgaa 240
caaaagctcg agccatgcta caaaagcccc cgcaagaccc aaatgaggaa aaacggatag 300
tagcagatgc aaaggatcga cacgacgata ccacacaccc cgggcgcctc ggaacgacat 360
cgcagccata tgagcgacgc gcccacgaac cccgttaaggc ataggggcca caagaaagac 420
gatagaagaa gagaacaca agccacttt cgacgaagac aagagctcag acacacatcg 480
taagagccgt cgaagaaaag aaggcggggc acgtgacaga cgaggcgcag cacaacacag 540
agtgagcccc gacagtgaag accccgatca agtatacggg ccatcgaaga atcgaaccga 600
tccgatggac gtcatctgga cgcaacacaa gttgcgtac agcaacgact aagaatggca 660
cgtgtaccaa ccgtatcgca atacgaaaag ccgactcgct ctctacgac agcacacagc 720
tgtgtacacg atgcaacaga ccccgacatg aactcgaaa cgccctgcgaa ccgtatacta 780
tatgaggacc cgaactgggaa gggtaactcaa acacaagaaa tgcaacgcca gcagctacaa 840
catggtggcg tgaacgcgga ctccgataac aagaatcgag aaggct 886

<210> 1885
<211> 462
<212> DNA
<213> Glycine max

<400> 1885

agcttatcct taaaataagaa aaagtatccc tcccattata atccaaagtt tgataaaaaaa 60
aaaaaaaaagaa aaaacattgc tgttcaata gcaatatcct tacaatatct ctgcggataa 120
gctcctgaag tttaaacata atgcgttgac gagtggtgat aggagtattt ttccatgaag 180
gaaaagcttg ctggctgca ctaactgcag cttaaactc ttcatatata gttaaatgaa 240
cttgagatac aacttcttgc gttgcctgag taaagataaa tattcaaatt acttttaca 300
taaaccatca caatgctaag aaaattcaa gcaaatatca ttgaaaaaca tatcaactta 360
cgggatttat aacatcaatg attacagaac cctgagaatt tacaaatttc ccccaataa 420
aatttgagac cttagctac ataccaataa aaaaggccat aa 462

<210> 1886
<211> 424
<212> DNA

<213>	Glycine max	
<400>	1886	
cgtccaaactt tagaagcaag aaaccaaaag aagaaggca gtcttgaaa ctatgtcaaa		60
gtgcataatat tagaagtgt atatgactag aagtatcatt ttggaggttag tttaagtcaa		120
ggggcagata ttggaagctg cacatgactt aagaatcatt agaagatgca atggtttgac		180
tacaagtgaa gataaacatg tctacatagt caagaagcac acattgagag ttgtaatgg		240
caacaccatg catcagtgtt ttgatgcatt accttggta agcactctt atccaacaaa		300
tctaattcaa aataagagag ataagctcta cttagcaag ataaccatga agaagaaatg		360
tagtcattca caagctgcaa atagaaaaa agaatgaaca ccatttctgc gaatgactca		420
cttt		424
<210>	1887	
<211>	523	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	1887	
agttccccca acatcaaagt aataacaat tcatacagca canactatca cagccaagaa		60
aacagaacaa aggcagaaaa ctctgccaaa acaccaacca aaaatcacag cttttcccac		120
tcaaagaccc cagtaacaat tccttcgatc caattcgtaa accgtggat cgactccaaa		180
attttactgg aagtctatag tgcataagcc tacatttga ccgttggat ctactagcaa		240
acatccagaa ctcattctgc actagacttt ccacagccaa ccacacacaa gcattttct		300
gcacttgtgc aaaattctgc tgcacaattt cacagcaaaa attctgcata agtgcagatt		360
tcgaaaatca cccttcctct catccaatct tgcccaatc aaatcctaca agtcccaaat		420
catgtatcaa acatgtctaa accaaagcca agcttcaaac cacagcaaca caaaatctag		480
gtgtccaaaa cccctcaatt caatggctt tctaggctt aaaaaaaaaaaaaaaaaaaaa		523
<210>	1888	
<211>	443	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	

<400> 1888

ctaagctta taggtgaaat caggtgcagc cattccctt agagtccctc cacgagggtgg 60
agggtgtgcc atgttctcag aatgtgcaaa atcagaatgc tcagaatcag aatgctcaaa 120
attataatgc tcaagatcag gatgttcaaa atcaccaata acagaatgca cagattcacc 180
agttatggaa tgctcagaat gatcaaaaagg tataaaatga tgccctaacta atctatgaaa 240
tgtccatatct atctcaggat caaagggttg taagtcagat ggattgcctc tagtcataca 300
ctacattcag catgcacaca actagttgcc ttgtcatgta aataaagggtg taggtttgaa 360
ctacagctac cctcaaatga tatccaaatg acttgaatt ntgtgagcaa ccctataaaaa 420
tgatgagaag atagcacaaa aaa 443

<210> 1889
<211> 152
<212> DNA
<213> Glycine max

<400> 1889

agctttagct cattgttgct gacccacaaa gctctacgga atttgcgtcg gccatgcct 60
tccttgcgag ccctcttggt ttcttttca aggctcttg cggaagctta atttcttct 120
cgtaactcga cacactcttt tcagacgtct at 152

<210> 1890
<211> 317
<212> DNA
<213> Glycine max

<400> 1890

cgcatttggc gaggttccat caaccgcct aattccgtga tgcttgggt ttctaaagctt 60
taaccttgac ttggtaggac ctcttgcag tttgtttgt ccccatgctt actaaagtga 120
gacaaaaagc tagtgcaaat caaaaactccg atatttatg ggtggatgg atgaatgcat 180
gatggaatgc atatgacaca gatgcaatat taaaaagcgg gggttcgggg aatctgaccc 240
catcttagac acaacgatta agggtagcaa atggcccaa cgtacgttt taataatgct 300
acgcaaaaccc tccgttg 317

<210> 1891

<211>	376
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	1891
agctntagga ctcgcccccc attccttata ttcagaaata atatacaatt caagaatttc 60	
tctttgtccc ttaatcattt ctaatttctc aaatgggcaa tgcagaaaat gcttatttca 120	
aacatatcca atatccatct cctcaaacaa cctccaaatg ttcttaatct ccaaaagttt 180	
aggtaactaa aacaaaggat atttttaat atgaagatat gaagaaaaat tgagattcct 240	
atcatctaga ataaaatcga aaatagggtg tgcgagcatg tttgcacggg tggacagaca 300	
ttacaaatat ctcacgactt aacttccaat ctgtaaaag attgtaagtc ccatcataca 360	
tcacatgata gtcttt 376	
<210>	1892
<211>	511
<212>	DNA
<213>	Glycine max
<400>	1892
ttggggctgg aaaactttat aatagcacca agttctagt ttagctctct ctttctctt 60	
tctcctttt ttgcgtttt gcaattcaag ttctgacttt tcattttgc aataaaattt 120	
tgttctcaa tctataattt cgttctctat tgattaatgg aaggctaagt ccccagcggt 180	
gtttctctt gaggatcaa cacagttctc tttgaggttc tatcattatt gttaaattct 240	
gttcagtttt tcctcttcac taattactct gaatttggc ctattaattc atgcattgttt 300	
agtgcgttat taattgtctc tgcgcttaat ttatgttcat gcttaatgat catttatgag 360	
taatttctgt atgtgttgct taatcacata atgaatgcct tatgttaat tttgcttagt 420	
aattaatat acggttggat taagtgggtg aactgataaa cgataaattc tcgcaaccta 480	
cgataagaga cttgcttgtg aatcaagggg a 511	
<210>	1893
<211>	262
<212>	DNA
<213>	Glycine max
<400>	1893

agcttttatt ttctgatgag taatcggtt agtatgtctt gaatgagctc ctcgaaaact 60
tgatgtaaat aaacgaattt ttgtccctcg tttccgagct atatatcctc gttaattct 120
ggtcattgaa taattgagac tttgatgaat aactattga ttttcagct attctttct 180
tcttactagt ctattaataa cacaaatgga ttcttccaat gtataaaaaa agaacttcac 240
aggctcttgc tactataacc tc 262

<210> 1894
<211> 447
<212> DNA
<213> Glycine max

<400> 1894

caggcttcat aagtaaaaaa aatgttattt ctggctagac tgtttctct cttttggtaa 60
gcatgtgatg tgaactactt atatagttga atttcaagta aaattacagt gtccatttga 120
ctcctgttcc caaatcagta ttgcgtttt tggtgtttt aataggatgg ttggtgatata 180
atggttgtt catctttaaa aactgtttca aacccaaaaa aataagaaca attattgttc 240
tcaaatgttc tacttactgt tcttgactgc tggccacttt gtagataaac tggacactgg 300
tgttagcaatt tgtaaattac ttgggacagt ggtatttcat ggcaatttca taggttagta 360
aaactacaag tagaacacat agactactgt tcaaacaagt caattgtcat gtttttagtg 420
aactttcttt tgctactcaa gttttttt 447

<210> 1895
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1895

agttgagat gaggaagtgt agaagggtga aacttcctgc ttttattcgt tgaccacaga 60
gtggcacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtggggtgct 120
attgccaaa accaagctt accaatcccc acccaacccg ggcatagtca atcagtgaga 180
acctatgtt tacctaaaca ggcgagctt tggcagtcaa cagataaaag aaactaagac 240
cgcaaagcaa ggaggcttgt gtggtggtc gccagctgtg aactttgatt gatatgtggg 300

ttatggcctc tggtaatcga taacaagggt gggtaatcga ttacaaggct taaaaatgaa 360
gacaggagat taagatggtc tctggtaatc nantaccacn gggtgtcatc catttacccg 420
tcttacatat gaatgttagcc cgttgtggag 450

<210> 1896
<211> 183
<212> DNA
<213> Glycine max

<400> 1896

tggagcagac aatctatata ctcaagggtgg agggggagtg ttttgttttc tggtgcattt 60
tatcctcagg acgacaataa agttgattta ctcgtatcta ctttggcata gtagatttaa 120
gctttcccc tatgtaaaac ttggtatggg ctctctgtga ccaaacatta catatattta 180
aat 183

<210> 1897
<211> 180
<212> DNA
<213> Glycine max

<400> 1897

agcttagttt gttcaaatt gtctgtcatt ttaaaatca aaccaagaaa acattaatgt 60
ttttatTTT ttaatttaat ggTTgttct tggtagtgt gtgtgtacca atcctgaaa 120
tagttctct gctggcaggg ttccccaggc cccacctcct tgtgctctaa gcacccattt 180

<210> 1898
<211> 551
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1898

tgagttaagc aagcctaaag agggtcgagg tttagtactt tctgctatag catagaacac 60
aaaagcatga ttgatttagag aaatatccctt atatgcata acttgggtgt tagaaatacc 120
caacactttt gtagaagcaa gcttcatgat gatgaaccaa gtaattttga tgatgcaaa 180
agcccaaatg attgattcaa gattgattca agacttcaag atcaagcatc aagaatccaa 240
tccaagattc aagattcaag agaagaaatc aagaagcaac aagtcaagac ttcatatagg 300

ataagtatta aaagaanttt tcaaaaacca aatagcacag ttttgttta caaaagaatt	360
ttttcaaatt ttcttaaggta ccagagtgtat tactctctgg taatcgatttgc cctgttatca	420
gtaatcgattt accagtgacc aattttagttt tcaaatgtttt gcaacgttcc aaaatgattt	480
tcaaatacgatgtttaatcgatttactatattt gtaatcgatttacaatgttgcggAACGTTG	540
gaattcaaaaa t	551

<210> 1899
<211> 359
<212> DNA
<213> Glycine max

<400> 1899

<210> 1900
<211> 531
<212> DNA
<213> Glycine max

<400> 1900

tgttaggcgtt ggatcttctt catcaatgga gtcatttgct tcttgaatat catggcagcg 60
gaatagagaa ggaagaaaaga tgattggaga ccccacttca aggagatgat gagtcaagaa 120
gaagctcacc accacaggaa gccatggata agagcttgaa ggaaggcgaa gatgagtggaa 180
gggagagggaa gagaaggggc acgaaatttt atgcctcaaa tgaggtctga actttgaagt 240
gtaattctca aatgatcaaa gttcaaaata atgcacacac atggcctcta tttatagcct 300
aagtgtcaca caaaatttggaa gagaaatttg aatttctatt caaatttcac ttgaatttga 360
aattgaattt gtggagccaa aatttcaata attatgatta atggaattta gatatggttc 420
aqcccaactaa tccaaagatca agtccaagat tcttcaactaa gtgtgccttag gtgtcatgag 480

acatgtaaaa catgaatgac atgcacaagt gtgactatat gatgtggcaa c 531

<210> 1901

<211> 115

<212> DNA

<213> Glycine max

<400> 1901

agcttcaaaa gcctattttt gtggacgagc ttacttaggt gagtttgatt ttagccttag 60

tttcacttta gacattaata aattctcaaa agggcgatgc agaaaatgct tattt 115

<210> 1902

<211> 217

<212> DNA

<213> Glycine max

<400> 1902

ctgctctaaa tttacattgg tgcctgttt tatggatgt ggtttatatgc cattcttgca 60

ttaagagtga tggcccactg gttaaactaa ctttccaaat gtatgccttc acatgaatgg 120

ccccctaggaa gcttgcctca aagaggtcca tgaaggacaa cgccggccgaa ggaacttgc 180

cctctccggg gtacgacaat taccctttt agagctt 217

<210> 1903

<211> 360

<212> DNA

<213> Glycine max

<400> 1903

agcttgtact attgcgtaag cttaatttt tgtttcgtgt gttatcgaaa attttcaattt 60

ttataatgtt tgttaggattt tgcttcattt cttaaaacta aattaaatga cattgaggct 120

tgagcacgaa tattagagat ttgtgggtgt tcctcaaccc tcataatacag gttccttgat 180

tggctaataat aatcgaaaca agtatttctg cctcatgttt cttaatgtac agttaaattt 240

cttttggatg ctttagaaata ttcaataaaa tttaactaaa ttatataact tgtaagagga 300

tttgtggttc ggattacaca agcatataag tacaaccctt tacagtcatt tcaccctac 360

<210> 1904

<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1904

ntgctgtgag ctcccttagatt taaaggattc tgtggagaac ttttgcggca atatgcactc 60
caagttcttg gctttcttga ggttaaacatt ttgtgtattt ctctgaatca caatttattt 120
gaagttaccc accaaggaat ttcatgaccc ttttataaat tggtgtgcct tttgtctata 180
ttgcactgtt acaagttcaa gtaccagcac acatatatgg gtatgtggg tacaatgttt 240
taatctcaat ggtgtatcggt gcttttagtca tgtggccatt atcctgttc gtgcagattt 300
aacttttgc gctaactagt atttgtttct tgaatcaata ttaaatggtc atttgggg 360
gattctgcag aagatcttat ttcttgatt ggaaattctt gataggaatt atttgtaag 419

<210> 1905
<211> 354
<212> DNA
<213> Glycine max

<400> 1905

agcttggg agagagcaat gtcaatattt tcattcaactt cagccctaat agttgggcct 60
ggaaaactgac cggttggattcc catcagaacg tggccaagg aatctggttt tctgtatcg 120
tactccacat caaacttgta gtgtctcaactt ccctccga ttgacaattt taccaaaaccc 180
aaccatatta tgcacccaaac aaaaagagct ttgaagctca ttcttaattt attttgatca 240
gagaaaggct aatttagcaat ataacaggaa ggtatcaagt agtagaacga agctattgt 300
gaacaaattt aaaaaatagg tatagaggat cgaggattt gattgctggc accc 354

<210> 1906
<211> 561
<212> DNA
<213> Glycine max

<400> 1906

ttttaaaaaaaa agcggggtaa aattcatcaa tatataaaca agttgttgta attttgatta 60
aaatgaaaaaaaa gttgaggatt aaaattaact aaaaaaataa ttatgtttagc ctgctacatc 120
aacttaatgg ataaaatttg taagttttt aaaaattttaga aataaaaatat gtcaaaattaa 180

tttggagg ataaaattcc tctaaaaata aatcgaaggt agaaaggaca attattttaa 240
catccatgt caacttataat ttgaaaaaag ataaaaagtt gaatgtaaaa aatgaaatta 300
agttttttt aaaaaataac ttagacaacc caatattcgc agaattctat caatgacatt 360
ggtaggact atgggtatgt ttggcccaa ggctctacac acgttcattt gnatgaaata 420
aatatgccag aacatgtttt gtagccagat aatacagtgt ttaaagccct aaacatcgag 480
actgagagag agacacacac atagccctat aggagcatct ttagtgtaa atcccaagtt 540
ggatttaaac tacttttgg t 561

<210> 1907
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1907

agctttgagc anattcaaac gacaataact ntgactgtt tttccgatg tgccccgtag 60
gaaattgagc cgctcggaat tgaaaaacgg aggctctgag aacaaactaa cgacaataac 120
ctttaactcg gatgtctgat agaaccctgt aatatatcaa gacgctcgaa attgaaaacg 180
gaagctctaa taaaagtctt acgacactaa ctttgactt cgatgtccga ttgagccccc 240
taatatatcg agacgctcct aaacgaaaac agaaactttg accaaattct aacgacaata 300
acctttgact tcgatgtccg actgcgcccc ctc 333

<210> 1908
<211> 248
<212> DNA
<213> Glycine max

<400> 1908

ctcagtcctt gagaaactga ttcccagaag acaacagggg gtgtttattt ctgaaaaccc 60
tagccttgca acaagttcta gggaaatgatg caaggagatg gacaagaaaa tccgcgttat 120
cgtgagtagc attttaaaag acgcctctgt tcctgaagct gatgaagatg ttccaacatc 180
ttccaccccg aatgtttctg tgcctgatgt tgagaaagat gttccaacat actttcggtc 240
caaatgct 248

<210> 1909
<211> 76
<212> DNA
<213> Glycine max

<400> 1909

agctttggca ggtcaaggag agtggacttc attctgtat gtttagcac tgccgatgtt 60
tggatcgat ctcttt 76

<210> 1910
<211> 561
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1910

tggactttta tgatTTTga atgatggta taaaacaat agatataata ataaaggaa 60
tggtaCTGat aatttgagaa ggagttagaag aaaggagca tcatacgagt gctggaagcg 120
attgcggcat ttgtgcagc gaaaaagctt gtctggaaa ccaacgtcgc cgcacatgca 180
gcaaacggtt tgaagatcca ccattggTTt tggTgtcaca gggatgaatg aaaaaaaagaa 240
gagaaaaaat aggcaattt ggagggtggg agagacaaag agagagaccc agaaagccaa 300
agagtaaaca agaacccaa aaagagagag aatataatca ctccgagaag agagaagaaa 360
cacaagagaa gagaggagag agaaatagag atagagagag tttacactt atatagagga 420
agattagaag tgcggactg ctcattgtat ngtggatgtat ggaactgatg catagttat 480
tttttaatta ttagaaattt aagaaactct attggatata tttttaaaa attaaattta 540
ataaaaagaat ttttttaaaa c 561

<210> 1911
<211> 460
<212> DNA
<213> Glycine max

<400> 1911

agctttgaa tcctagaaaa accaatgaat tttttagcc aagcctcatg acaagcctgc 60
gaaagtccctt ctgattctgt ttatacattt ttgactttat ggcatgagat gaagtgcAAA 120
gattggatct cttgttagtt gttattaaatg aatagctaa acacttatgc ttgagtgaaa 180

cagtagccgt gagactgtgg tttaagctac tttccttgc atctgttttgc tgccaaacc 240
tatctaatttgc ttcagggttac attttatttct tctctttggaa taactgcata ccttgcgtaaa 300
gacaagtgtat gagggcattt tacttcattt tcattatcatg taatcagtaa ttttgctgc 360
atacacccccc gtacatgatc actacatgtt attatcactt gaggacaagt gagctattct 420
cttttgctt gaggacaaga aaaattgtaa atttggggga 460

<210> 1912
<211> 427
<212> DNA
<213> Glycine max

<400> 1912

tcctcctcag atcccttgc ttggactagg cttaatttag actgccttcc taggtttaga 60
cttaacttaaa ctaagcttca tcctcagatc ccgcttgcgtt gactagactc aacttaaata 120
gcttacaaaa gtttagataa atttagccta agcttttcc tcaaattccct cttgttggac 180
tagacttaga ccaaacaaca tatttaaaac caaaacttaa tccgcagatc cctcttgcataa 240
gactaagttt caattctgct tcattcaagt tctaaggcaa aaatcatttc ccaatgctaa 300
agtcatctaa ctaggcacac aaatgggtga ttagacaaaa agcatacaga atttaaggcac 360
tgaaagaatc attgaacaca agaaacacaa tcaatttagat attagaatat taaatcaattt 420
gttattt 427

<210> 1913
<211> 599
<212> DNA
<213> Glycine max

<400> 1913

agctttgttt acatagatac atagatacaa ctttttaaa atgtaacgga aatgatgaat 60
aaaaatcaaa agaattggaa taaaatgact aagacaatga tgaagattaa cagaaaaacca 120
gagggaaatgt tcaacatagt tcataatggat gatcatgtt ggaatttcaa gactattctt 180
aaataaacat ggcataatat aacacatcg tattgctt attagttac tttaaatgtaa 240
gcctcatggt gaagtggat ggtccttgc tgcgtatgg aaggatcaac tagagcatat 300
ttagcatctg ctagacagta atgacaatat gcactttgtt aaatacaacc aagatttgg 360

gaacccaact acattggctg gatggataga actcatatat ttctatggac tcataggaaa 420
acatcaagtg accatgaccc atttggata gtgtgttcat cctgaccatc ttcaaaagca 480
gctctgagct aaaaacttat cctaaatgga actcattgta ctaccaaatt ctttctatc 540
actttaaag tcttaccgaa tgagtacaaa gtgactggca acagtttgat gagcaactt 599

<210> 1914
<211> 538
<212> DNA
<213> Glycine max

<400> 1914

gacactctga atctaagctt aataggatag atggacctat ggcatccctc tatgacctta 60
attcatgaaa gttcactcg gtcataacc aaagtgtaac aatccatttc catccttcaa 120
tggtttatgc agtagtctc aaagccttat attccttat tgtgcaaact ataagggtgt 180
tcatgggtcg gctcgaaccg gtttggcca aattcaagac tcaacccaat caaatttgat 240
cggttgggtt tggttcagtt ttcacaattt gttttgaaa cccaaacccat tcattaacgg 300
ttcgattcga ttcgggccaa cagattaccc atttaaattt gatctcattg tcaatatcat 360
gattcatcca aatatccaat attattaaca caatattgtc aaatgtctta aatagttaaa 420
attgatcatt aatacaatca cactatattt aaatagacta tacaaattaa acaaattttc 480
ttatgagatt actttatagt ctgaatataa ctgtttctac aaataattt tgcatag 538

<210> 1915
<211> 428
<212> DNA
<213> Glycine max

<400> 1915

gcttgactac gaccacaccc tagctcactg atgttcaaca cataatagat catggtgctt 60
ctagacatat gaagagggtt atctttcct tgcacaaaat agttctcttt tttttcccc 120
ctcttttgtt actaattgaa ctcaagagtc ttggaggaca atgaaacata tatatattgc 180
ggatttggta agaaaaatt ataaacagta ggcattgaag acttactaat aaaacactcc 240
agaatttcat attactcatc ccattcttag ggaagctcag agtataatgcc aacattgtta 300
aagaccaaga atgtataaaa ataagaagaa gaatgttaag ttatatatat ctaatcccta 360

cttgataatg aaagcttcgt tattttagtc aaacttctga tgccttcatt ttgtttgagt 420
ggaaacat 428

<210> 1916
<211> 424
<212> DNA
<213> Glycine max

<400> 1916

cttctcatca tcaatgaaaag tgtggattcc ctgtctctga agagtgttgt agagatggcc 60
agtaaaaagca ctacgtgtgt cttcacccct gaagctgagg aacacatcgta aattggagga 120
ataggaagag gaacgtgatc cccaagccat gatatgaaat ctttagtatga atttggatgg 180
ctgcttggttg ggtctccaaa atcaaacttg agtaggtatg aaactgataa gtgtgttatta 240
ctctcagaac catacatatc tattatcaga ttttatccg gcataattac ctttatggaa 300
aatcttctc tggccggct cttttctta gaagattaaa cctttggctg ggctaaccgg 360
gggatacggt tctctccgca ctatctaaac tctacaataa atacctttt atttggatata 420
atca 424

<210> 1917
<211> 445
<212> DNA
<213> Glycine max

<400> 1917

agcttatcca aacaagggtcc actatatatt ttttatctg gtactgtgcc atatatatgg 60
atggtggttt tggacatttg gatttgtgtt gttgttgta ataacaatga tgcttatgcc 120
tttggccatg ggttggact agttgtatca aactatgctt gtgtattgga attttgggggg 180
aggatttcca cttgcttact gcattttac atgtatatta tgtaactgg ttcattttat 240
tgctacatgt gaggtataac tattctatatt tttaaagcca ttgcattcct ttttatattt 300
tttgctaaaa gttaaagtt ggcactgaca ggcatttgaa tcgattaaa ttccacttga 360
tttgcagaga tgggtgtct tgaaagctcc acacctgctg attcagttct agagttcttgg 420
ggttcgatgc tcttgcatt ctgca 445

<210> 1918

<211> 894
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1918

agcgaggacg gggcgagcg aaaaacgaca cagcgcatca aagcggtgc atggaaacc 60
actataattt ctaggtggtn ngnttggtga tgccctatac cgaccttnaa aaanaaaaccc 120
ngcgccgaaa aaagcacatg aaagtacccg gaagaactct gcccaacctt cgacaaacgt 180
gagagcgagc gcaaaggggg gcagcaacgg cacgagacac gtgagcacga gccgaccgga 240
gagacctgtg agaaggagac aggagtggc gagaaaccac acaaggaagc aacgggaaga 300
cgccctcgac agaagctggc gggaaagact acatgcagcg gccgagga aaacacggc 360
cagagcagga aacccggggg agcgggcaca ctgacgagga gggacgccc agagacaatg 420
gaccacgaga ctaccggagg ggagcaaggg agaacacgcc cggaagggga aaaaaagcag 480
cgggaccagg agcgaaccgt aaatcaaggg aagagacggt ggccacgagg aggtgaagaa 540
aaaaggagcg aggccggatc ggctggggg gggcagact gaaagggaca gaaggttagga 600
agcaaccaag gaacggatgg gacgagagaa cgCGAAGGGC ggtaccggga gaacggagag 660
ggaaggaaga ccgcggagcg gaggggacgg acgaaatcg ctgcggggag aggataagaa 720
aggaccccgaa acagacggcc cgatgcccag gagcagcgcg gaagcgacgg gaggcaaagg 780
agaacagaca cacgcgcaga gaagggacgg cgatgagcag agaggagatg ggaggcgaac 840
gggacggaca gggatagaga ggagacacgc caccgttaacg gaactgaaca cgat 894

<210> 1919
<211> 181
<212> DNA
<213> Glycine max

<400> 1919

agttgctgc ctatataaca gacttgagta cccccctaaat gactggtaag aacatctgcc 60
aggtagataat ttcaattgtat gaagctaccg gtgacgtctc tggataaaat ctacagttag 120
gaggtagaga gaacattgtc atggaatttc aatagatggc actgatggag gggaggaccc 180

c

181

<210> 1920
<211> 918
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1920

acgaggttaac gaatgtgaat aagcaaccga ccacgagaag gaatccggaa gtggcaatgg 60
aacgaaaaat cannaaagnn aannnnncag ggtactgctg cactggcata ccatcacaan 120
agannaacgt gtggaagggg aatgatataa ccaacaccac ttttttttataa taaagcgaac 180
ggccataacg aggaaatggg gaactaaaag ggaacaccgc cccccatacg acaagagacg 240
atcaacgtaa gggacaccaa cacacagcac gacgcgacac aaacaatccg aaaatgcaga 300
agactgaaag gaacgacgat ggaaagacat aaacagagcg taggcccggaa acatggcagg 360
acacggacaa accagagggaa acgaggggaa aacacaagaa cggaatcaac gcaatgacag 420
aagaaagcga agcaacacgc gacagagaaa acgccataat ctcacgcaac gagggaccat 480
aacggcgaaa caacagacga gagcgaagat acgtatgcaaa gaccaaattt atcgaaaaga 540
acgacagaat cgacggcactg catcgacaga ccgaacgaag acaagggacg accaaataaa 600
ttgacacgaa agaacgaaac acaactactt cacggaatg aatagaacaa gcagaatgaa 660
acacgacggg acagattaa tggtatgtac aggtggggaa acggaatgga atcgaagcga 720
aaccaacaga catgccagaa gagtgacgg acaagaactg cgacggtcag ggaaagagaa 780
agacaggaac agtcacggac gcgaagtgg aatggccaaa gaaataaaaaa cgccaccggc 840
tggcaatga tagatagagg tcacacacac gcaagagaga cgagaagaat aggnactgga 900
attgaactgc aaacaccc 918

<210> 1921
<211> 178
<212> DNA
<213> Glycine max

<400> 1921

agcttatata tccgcaaacg ggccccactt ttcttggctc gccatatccc ttgccttgcc 60
ttccaagtat ttccgtggca ggcctactac gccgttgcga gtttgcttca tgcgatccaa 120
ctctttgcc gaatcctcaa ccacagctac aatcttgcctc aaggagggac gattctt 178

<210> 1922
<211> 466
<212> DNA
<213> Glycine max

<400> 1922

tatgcgcata tttccttacg aacgttcact tgccacaatac attctattaa ctaagaaaaa 60
tgcaccata tacaatcaag gcagcttcgt taccttagatt atttacatgt acttccaagg 120
tgtatggtt acttacatca cacacatctt ctggctaaa tttacataca tgccatactca 180
aagcatttg ggttacaaa aattgcacat gtgcacatct tggaaatttct aatacctata 240
catacacaaa cttcatgatg aatcttgact atctacaata aggcgtaca tttcttgctc 300
tttcaagtt ttgttacact aaagccgcat gcaaattcaa gtatatttc ctttgctgac 360
taaaattgta ttcaaattaa aacgtatata ttttttgta atgtatttc ttacataaac 420
atgcaacata ttatataata tattttttg tgagacattt tgacta 466

<210> 1923
<211> 490
<212> DNA
<213> Glycine max

<400> 1923

agcttaatca tacagcgaag aaaattaatg aattgagaaa gacaataaag agtactttat 60
tgttggcctt tttccttgc taaaattgag accaaattac gctcctctgt ccgaacccgc 120
ccttccttc gctggctca tcgacaaatt ttatggaaa aatttcaagt tggccctacc 180
ccacacgggt gtcccttcc actttgccc ccatttctat actcacgtt attgcctcca 240
gctcctctgt ctcttcaca ccccccttcc cttttgcca cccactacac tacccacttc 300
cccgcatcct ctttttct ctgttcaact caaataaaat caaatgttat ctaagctcta 360
gttcacttac attcaattcc agttcaccc tctttctagg tctctacact ttctttctag 420
gttagagctcg tgaaacaacc actcttcaac tactctcaact cacattgcgc ttctcaattc 480
actttttttt 490

<210> 1924
<211> 395
<212> DNA

<213> Glycine max

<400> 1924

tgactagttt gcaaaatggc atacttggaa tataatgtt ggatcaagtg gcctcggaat 60
aattaagaag ggggggttga attaattatt gatgtgcctt gactaattaa aaatctatcc 120
ttcttaatgt tactagattt aattaagttt ttactacaaa gttaagaaag taaagaacag 180
taattgaaac ttaacccaaaa gtaaaaacga taattaaaag agcacaacga aaattaaaag 240
tgttaggaaag aagaagacaa acactataat ttatactgg ttcggcaaca acctgtgcct 300
acatccagtc cccaagcgac ctgcggcct tgagattct tttcaacctt gtaaaaacct 360
ttacaagcaa agatccacaa gggatgtacc cctcc 395

<210> 1925

<211> 280

<212> DNA

<213> Glycine max

<400> 1925

agcttgggt tgccatggtc tgttaggttaa ctttgggtct tgattatgtg cacttcgcat 60
tcgattatgt ttattcaatg agtttaattt atattaacta tcaatataattt cgtaattta 120
tgtgatgcta aggcaagttt caatttagatg tacgcgttaa ttgtaaaatg actttacact 180
gataatataat ataaattaaa ctcattcaat attgtctaac ataacttact caacctgaaa 240
tggcatcggtt attacaggga tctgcccagg tttgggaccc 280

<210> 1926

<211> 474

<212> DNA

<213> Glycine max

<400> 1926

tcctatagaa actcaaaatc ttctagctgt gtgcaagagg gaaagcatgg ctgagtatcc 60
atcacccgaa aaggatgata ataattgtaa gcacatggat gactaccctt cacctcaaac 120
agataatcca aagcctttct ctcaaataata caaacgaagg cggcataact tgaactccaa 180
caactctcat gtttctggag attcaatccg aaccagccag gatccgtgct cctctacaat 240
aactactgct gcaactgcac tcccaaccac taatgctgct gctggcacag ccaccaacac 300

tgcacccgaaa aaacatttc tttccgcact ggtggagtt tcgctgctag agtcccttga 360
 atcaaaggac agccttgctt caattaagac accggattct gacgtggaaa atcttgagtc 420
 atccatgcct ccaagcttgc gcaaaggttct tcaaggaaat gaaaagttag atgc 474

 <210> 1927
 <211> 1054
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1927

 ccgcacacca acgagagtga gaagaacagc cacacgcacc gcgcctaaca cacgaaacac 60
 gacaccacac acgccggacg cntacagaat acgaagcatn naactcccc aagccnccnn 120
 cccccnnnnn ggagatggaa tggaagnncna tnngnacnnna gnnngnnaaa nnnnccncgg 180
 gcggaaggag ccaaccaccn accagagaca aaaagaaaacg atattaaatt aaacacacca 240
 agaaaaaaaaa ggaggggagg ggggaaaaca aaagaaaaaa caacagagac aaaaaacaag 300
 acaaaaaaaaaa aaaaaagaac gagagagaaa aagaagacaa caacaaaaaa aaacagcgag 360
 acaagaaaaa aagacgaaga gacgaacaga aaaggagaaa caaaaacaga agagaaaaca 420
 aaaacacgca gcaaaaacaa agagaaaggg aaaagacaga cgccagaaaa aaaaagagac 480
 aaacaaaaac accaaacacg acaaaaagaag gcgcacagaa aaacaaacgg aaacaaaaac 540
 aaagggaaaa aaaaaaaaaa agaacaacac agagacgagg aaaaagaaaac acaaaaaaca 600
 cgaagcgcgg aaaggaaaaac aaccaacacc aagcgaacaa agagaaaaaa agcaaaagaa 660
 gagaaaaaca aaaaacgcaca cagaagagag acggaagaga caaaaccacg caagcgaaca 720
 acaccagcaa cgcaaacaga aacaaaacaa cgagaacaac aaagagaggg aaaaaaagaa 780
 aaacacaaag aagaaacaaa aaacaaggag aaaaagacac caacacgaag acacaaaccc 840
 aggaccgaga aaaaacataac gagagaaaaa agcaaaaaaa cacgaaaaca aacaaaaacg 900
 cgagaaaaac gaaagaagac aggaaagaga aaagaagaag ggagagaaaac aaaaacgaaaa 960
 caaaggagaa aganaagaaa aacgaaggag aagaaaaacaa acaagaaaaag cacaagaaaa 1020
 gacaacggga gaggagaaaa accaaaaaag acan 1054

<210> 1928
 <211> 437

<212> DNA
<213> Glycine max
<400> 1928

agcttgcaa gatccggatc ctactattta aataccaatt ttcaataact cagtgattca 60
taagaaacac atacacagag gggtttata agggcaagg tatagaactt aaactatctg 120
cattattaa aagctacacc aagcttacct gctcaagatg tatgcttcca ccattctcat 180
tagtaatgcc caccgaatgt gaatgagaag ttttgagtc aacaatcccc ttcctgtat 240
cttttacacg atcaacctct ccctgactt cttgccacc accagacata gctctaacag 300
atgaagttgt tgctccacta taaaaattca gtgcacatcc atgagtagt gcacaaatag 360
aaaaaaaaa acattnagca gctatcatat tcaataataa aatggacatt atggttctaa 420
atacagtact acatttt 437

<210> 1929
<211> 474
<212> DNA
<213> Glycine max
<400> 1929

tgttgattta agcacagata atccatcaat tgcttctgat gtttagcag catttcagcg 60
tgtaagcaaa ttgacaagaa aagtgaacct tttgaaaag gattatatct tcattccccat 120
aaactatagt ctccactgga gtttgaatgt catttgcac cctgctgaag tcattgacatg 180
ctacagagat gaagaaacta aaggatctcc caaagaagct tgcatttgc acatggattc 240
ccgaaaagga attcatcaag atctacacaa tggtttccaa agttatctat gtgaagaatg 300
gaaagagagg cacaacaatg tgagggatga tgatgtttct tctatatttt tacatcttcc 360
attcgtgcca cttgagctgc ctcagcaaca aaatgcatac gattggggca tcttttgc 420
caactatgtgg aacgtttct ggacatgctt caatcaactt caaccgtcca tgat 474

<210> 1930
<211> 886
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 1930

caccccgacg ggggaggaga gacgaacatc aagggggaca taaataacat cgccggagag 60
acacccccc ncagacccn cccnaactga tgctgaaacn cncagttgnn aaaaccccg 120
gggcagcaag ccccaagcaa aacgcaacac agcagtttt ttttttncn ccccagaaag 180
acagggggga aagaccctaa gcggagagaa cggaaaccacc tatggttgta atacaaatat 240
acggcaaggg gaaaaaaaaa aactgccaaa cacaaaattt accttacacc acggggaaata 300
tgaaaaaaaaaa caataccatg gcgggagaaaa aaaaaaagaa gggaaaaata aggcncaaca 360
tcataaatca aacaagccaa aaggaaaaaaaa ggaccaatcg gtaaaaggaa gaaagacaaa 420
aaaaaggaa aaaataatgc agagaaaaaa aagaaaagga aaggcctaaa taaatggac 480
aaaaaaaaag gcgaaacact gtaattaaag aaaaaagatt aaaaatagcg ggaaaaaaaaac 540
aacatgaaaa aaaaaaggaa gaaaattaaa acacagaacg gggaaaaag ggaaaaaaaaacc 600
gggcaagaaa agaaaatttt ttaacggaa aaaaaaaaaagt aaaaaagaaa accccaaatg 660
atttggggaa aaaaaaccca aattggaaan gggccccaa aagagggaa agggacaaaa 720
aaccatgcga ggaagaaaaa aaaaaaaaaa aaactgaccc caagggaaaa aaaaggtaa 780
gaacaagctg aaaacaaaga ggggaaacca cacggggca aaaaggaacg ggaagaaaca 840
accgacaaaa agcaaggaag ggaggacaat gggaaaaag aaggaa 886

<210> 1931
<211> 647
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1931

ccgcaagctt cctgcacaat gactatatta ttaagattt ttctcaagct ggtataatct 60
tatcatgctt cagcgagtca gtggcactta cactaatcaa gtgtcaagta ccaacgaagc 120
atcagtaagg aaagtttagtt tacaataatt tatctccaca agtaatactg agttctggca 180
acaaagaaaa accataccaa gaataaatta gaaaaggcac aaaacagtct acttgcattc 240
aggaattcca tggcagatta ctcatthaac tgacctgtt gataaagcaa atttcattct 300
taacatatac catggcaata agagaaaaat atgacattac agaaggaaag tacctacgtg 360
cagcaagatt taggaaagaa aaggttaattg agaggtgatg gatatcctcc tgaaaaagta 420
aaaagtcaga aaaaaattca ttaccaatga ccatttgtaa tagccatatg acaatgacat 480

catgaaactc aatgaaccat catttggaaag aggaattata acaaaggtag gaagcatcct 540
ctctgtatgc tcaaggctt tttttgact ttttcaaatt ctggtaagca gatagcagcc 600
ttgatataca ttntggattt tttttggccc ccccttctct gacccat 647

<210> 1932
<211> 484
<212> DNA
<213> Glycine max

<400> 1932

acactatata atacataaagc cttagttaca atctaaccctc aacaatggaa agatctaact 60
accttttctg atggtagca caaaaaacaa tgatggaaagg agaaaatgaa agaaaagaac 120
aatggaaaag ctttccttc accaaatatt gttttgtct tgcaatggag tcttccctta 180
aatggagat ttggccctt tttatataat cccaaaaat ctagctttt aatggatc 240
ggcttaact aaatctttc caactcaaac caaaattgct atagcttac ctttaagct 300
ttctcaatct tttctctaag atgccttca acccacttca aattcttaaa aaaatccatt 360
aattagcaca agttacctat ttaaatgatt aacttaagag aaaaattgcc tattcattaa 420
atttataatt aaaaagaacc aattaaatcc taatgagaga aaaaatttag ataattccct 480
aaat 484

<210> 1933
<211> 187
<212> DNA
<213> Glycine max

<400> 1933

agcttggctt aaaaattcccg aaaaatttagc tttttatgtat tatatcgaa ataatccagc 60
aaaaggggggg ttatggtagag caggttcaat ggacaatggaa gatggaaataa ccgtcggttg 120
gatacgacct tctgtgtata aagaaaaaga tgggcatgaa ctctttgtac gctccccccc 180
ctccttt 187

<210> 1934
<211> 344
<212> DNA
<213> Glycine max

<400> 1934

cttttctagt tagagaccaa cgtctgggg ctaatgtatg atctgctcaa ggacctacag 60
gtttagtaa atatctaattg cgccccga caggagaagt tattttggg ggagaaaacta 120
tgcgttttg ggatttgcgt gtccttggt tagaacctct aatgggtccg aatggtttag 180
acttgagtag actgaaaaaaaaa gatatacagc ctggcaaga acggcgatct gcggaatata 240
tgactcatgc ttcttaagt tccttaatt ccgtgggtgg cgtatctca gagattaatg 300
cagtcattt agtctctcct agaagatggg tagctacttc tcat 344

<210> 1935

<211> 297
<212> DNA
<213> Glycine max

<400> 1935

agcttgaagc ttcctttaca tatattatat agatatatag atataataga taatagatga 60
gccactaaca agtaacaact cacattttc taaaaaaaaat ttgttgttac atgatattt 120
agttctattt acataacatt ttagaaattt acttgcggt ttaacaatc tagttcaac 180
tatgataata tatactacat gtgattcttt acttaagaaa taaataatta agaggagggt 240
ttgaattaca tcgctaactt tgataattat tatattattt ttataaatta atataaa 297

<210> 1936

<211> 546
<212> DNA
<213> Glycine max

<400> 1936

tctccacta agttgcctga tgcctgaaat gtctttctg atggcagtgg tccttagatgc 60
agggaaagat ttctccaaga acaccctctt aaggtcatcc cagctgaaaa tggacctggg 120
agcaaggtag tatagccaat cttggcac tccctctgga gaatgaggaa aagtctttag 180
aaagatatga tcttcttggaa catcgaaaaa cttcatggtg gaacaaacaa tatggaaactc 240
cttaagatgc ttatgaggat cttcacctgc aagaccatga aacttggca gcaaatgtat 300
tagtccagtc ttgagaacat atgaaacacc ctcatcgaa tattgaatgc acaagcttc 360
ataagttaaa ttaggtgcaa ccatctccct aagagtccct tcacgaggtg gagggtgagc 420

catgttctaa gtaggaaaat tagtagtgga atgctcacaa ttagatattc agaatcaccc 480
ttaacagaat gctcaaaatg cacagaatga ccaggatgca cactatgcct aactaatcta 540
tgaaag 546

<210> 1937
<211> 620
<212> DNA
<213> Glycine max

<400> 1937

agctttcaag cacaatccca acacttcagt ttttttttt ttttttttg aaggtcaaaa 60
ctgaaatccc ttaagctgtg agaatgaaac gacttatggt tttattacta ctatttgca 120
attggataaaa attaattttt caatcacaga ttttacttta caccatgttag attatgaaaa 180
ttaacattac tattgctcga gacaaataat agaagtaaaa aataagttt aattcatata 240
ttacacaagt caaatgtaat atattatcat tttttataat tattaattac aaaagaagta 300
aaaaattatt catagtaaat aattaaagta aattcttata tatatgtcac atatataaag 360
ttaatcatt ttatattatag aagaatattt aaatatatct gaatataata attatgaata 420
taataaggaa cataattaaa ttacataacg tggaaaatg taaaaacacg tgtatgaata 480
gtactttttt taccgttaaa aataagttaa atatgacact cttatTTTT tttgttgata 540
aataaccatt ttgatattgg tccctaaaag tggagatgg taacaaattc attcatgcaa 600
gataaaaaaaaaaa aaattaaatt 620

<210> 1938
<211> 375
<212> DNA
<213> Glycine max

<400> 1938

ctataaaaata cctcagcttt gggctcaaata gattcctttg gattcataat ggatctcgta 60
ctttaataac tcaacgaacc aagccatcat cctcttggct aacttagact ttcacaacat 120
tttagctatt aggtagtcga tccaaacatt aatcccattt ttttgtgaat actaccgatg 180
acactgagca gtagtaacca atgcctatgc cactttctcc attacctaattt actgagttc 240
ttgatcttgtt aacacttggc taacaaagta taccgattttt aaatcattgt tttcttcttg 300

gaagaggaca tcacttatgg cttcaacgga gaccgagagg tatactatga gtatcttact 360
agtgccagaa gttga 375

<210> 1939
<211> 379
<212> DNA
<213> Glycine max

<400> 1939

agcttataag tatgtttaca tatggcaa atatataaca aatcactata catatataga 60
ataaaaagtga tacacaagca agatactcaa actcatgaat ttccaaattt gttcctaaag 120
tatacttaag caaatacata tattttat atgaaatttga aatctaaaac aaaatcacta 180
catatgtatc cttatataata tatataatata tatataatata tatataaacac 240
attagaatct tatatacata taatcatata attttatata tgaaaaacaa atatacatat 300
atcactaaac atactccaag gcaaccatag gaatcttagcc acgagaaaatt tactcaatag 360
aagattatga tcaattttc 379

<210> 1940
<211> 367
<212> DNA
<213> Glycine max

<400> 1940

tctactacac gccgaggaga ggcgaaacgc cgcttttga aatatgatag ctgcgatagt 60
gacaaagcga cgctgcttgc gagaatcggt gagttggacg agaaattttagt attgaagatg 120
catgagattt aggaggcggg gacaaagcgg ggccggccta gacgccttca ctctttctt 180
ggccggccgggg gtgtttttt tccgcttac cccatcatc attcatggtc tttggaaatgc 240
tcctttactc cttctatcat cattggaaac tctctttgc tcttgattgt gatcgttgt 300
ggccgtgaga ggatTTTTT tttcatTTGG aatTTTTGGT gagcacccgg tgcatgtaaa 360
aatcaaa 367

<210> 1941
<211> 225
<212> DNA
<213> Glycine max

<400> 1941

agcttgcata tttcctttta tagaagtgaa attggatgtat aaaatctcaa tttccttttt	60
agataaatgtat aaataggaaa atatatgatt ttatcttatac tttcctctaa taacagataaa	120
tattcgattt tagaagatata ttatctttt ctagtagaaa atagaatttt tctcttacct	180
taattaaatc cattacattc tctaaatccg agttgcctgc tcagc	225

<210> 1942

<211> 487

<212> DNA

<213> Glycine max

<400> 1942

tggtaatggc gtcctccagc ctatcggaat tggctttgga tcttagtggac tctgccatgg	60
aagcaactca atgagagcac caaattgtta gaggcacaatt tctggacttt gagggccagt	120
tcctctaaga agaaaaataa agagtaagaa ggataatttt catttcatgt ctgccttatt	180
acattatgct agtatttaca caacaaagag aaatagttgg aagctaagggt ggggaaaggg	240
agacaatttg tctgctcatg ttgggttgta tacttggtt catgatggag atcaaggaaa	300
tcctttaaga gaagaacgaa gagcatggaa gagggagaat ataattggc taggaggccc	360
aataacaagg gtaagaccta agaaagataa ggagatgttgc ttgaaaaaaaa agatctactt	420
acaagctcaa acctaaagtg agaaagaaga acccaagata cattgatct aaggcgaata	480
acagtga	487

<210> 1943

<211> 323

<212> DNA

<213> Glycine max

<400> 1943

agcttcttac aagagactaa gaaattttg acgaaatttt ttttagaggaa agatcttggg 60
gaagcctcgta tcttgcgaa gcctctttg tattaggaat caagatatta agagatcgct 120
cttaaggat cctaagggttgc tcacaaaaga gtttatatcgta taaggtccta gatagattca 180
acatgaaaga tagtaaacca ggagatatcc cgatagctca aggagacaaa tttagtctca 240
aacaatgccc caataatgac cttgaaagaa tagagatgca caagatttt tatgaatcaa 300

cagttggaag tctactgccc cct

323

<210> 1944
<211> 435
<212> DNA
<213> Glycine max

<400> 1944

tgccttgc cttgatata ttgaggact catggtaact atgaatgaca aattccttgg 60
gataaaggta gtgttgc cat gtttcaaag cccgtactaa ggcatacaac tccttatcat 120
aagttgaata gttaaggta tgaccactta acttttact aaaataagca attggatggc 180
cttcttgc cat caacacagcc ccaatccaa catttgaagc atcacactca atttcaaaag 240
attttgaaa gtttggcaac gcaagtatcg gggcatttagt aagctttgc ttaagaacat 300
tgaaagcttc ttcttgttc tctcccatt taaaaccaac attttcttgc agcacttcat 360
tgagaggc tgccaatgtg cttaaatcct tcacaaatcg tctattaaaa cttgcttagc 420
catgaaaact tccta 435

<210> 1945
<211> 440
<212> DNA
<213> Glycine max

<400> 1945

agctttgcta agagcaaaaa ttaacctta atattattt atacaaaata gattttcaat 60
aataatcata caaaagtcc tgggtatgtg aaacaattt agcttagctt agagttatat 120
atcaaagata taaacattt aaaccaagct actcaagcaa aagattttaga aaatagacaa 180
attagaagca ataagaagag taaagcacac atggaaacta tcatggttca ccccacctgg 240
actacattt gcctctacaa ctgtaggctt tccactaata ctgcaccaa tcagatattt 300
tttctttcat ggcgctcctc cccaggatcc tacacctaaa tattctctaa gtctctataa 360
gttctccac aacttttca ccaaccctct tcaggtcacc cctacacctt ctaatcctcc 420
ccaggcctat ctacccccct 440

<210> 1946
<211> 554

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1946

ttctaatggg cctagggggg cccaggggct aaggaatgcc cccaaattga ccatttggcc 60
cccatttga gtatggct catttccttc taaaacgtca caaaacccta tggattgcgc 120
agcaatttgtt gttaagcaac tcaactcgcc cgccgaaaaat acacatgttg acaaacaatc 180
atccccggac gaaatttaggg tatgagaata ccctcattat cctaataaga ttaacatata 240
taaaacattt tctaacatta ttgatgcaca cattaagtta catcgagtcg attcctcaca 300
ctcgagaatc caaagaatat ttaccaaata ttgatccctc gcataatgaag tcaatatccc 360
aacatttagaa tcataatctc atactatntg caatcaaaac gttatgctct attccttagca 420
acttaatata aagagtaaaa tcattcagtt caaattctaa gagtactttc caatcaaact 480
taaaatccaa tttcatgaaa ctatgtatca aatagaaatc agcattacga acaaaatgaa 540
atcaccata atgg 554

<210> 1947
<211> 293
<212> DNA
<213> Glycine max

<400> 1947

atgcaagctt ttaactggga aatgctccaa gaaacactat cttcttttc cgattctctg 60
gctgcttgct ccagtaaagc acaagaagaa atatgagcac cagcagattg ccccattaga 120
taaattcctat tacatagtaa caaaaaaaaaag gaaaagataa atctcagttg aatgtctaaa 180
tatatgtatca aaaggaatct tgtatcatag tagcacgcca cctatttaggg tcacctccat 240
aattagctat gttgttgatg atgaacgaaa ttccccgcga agtacattt acc 293

<210> 1948
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1948

taagaccatt tctaattgggt tagataatnt attttaattt gtttatccta tgctaattag 60

tccttataat atcacattat aattaaataa ttatatatatt tcgtttca ataagtaatt 120
cttaaataat aagaaaatat ttttctcat aagtaattat tattatataat atataattat 180
aggtaattt taaacaattt aatgtgacat ataaataatc taccatagtt aaaaaaatta 240
acaattatat ctaaaaataa accaatcggtt aaataatgag cattgaagat gctctaagat 300
aggaatactc ccataaataa taaatcatgc cattatgtt ttcctgtatg aatatctaat 360
catgtttctt ttttactcc ccaattttat tacctatata tccttgaaa aatataactat 420
aaatattttg atgtatTTT taagagaaca aaggctcctg gtttaacaaa aagccaagac 480
aggggaatta aggccattta aaaa 504

<210> 1949
<211> 911
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1949

aacgacgaga gtggagggag tcatgaacaa ctatgaagt ggcggaaaac atctttgtgg 60
tcgggatgtt ggttaattgg ggggccccnnn cnnnnnnnntt ctagcatgaa aagcnagcnn 120
nnnnnttaag aaaccccgna tgnnnntnatt tacaagagag tgaggagaga gnggatttt 180
tatTTTggga ggaaagataa tggggggggg ggttaattga ggaagcgtct tttggataag 240
gagagagggaa ataaagagaa ggggtgttaag ggaagataag ggtggaaag aagagagatg 300
gggataaggg gagggatgga gatggaaaag gaagagagta gaagaggagg gggatggag 360
aggaagaggg ggagagaatg gagggaaaag aatgaagtaa gagagatagg ggaagaattg 420
agaaggaagt ggtattggat ggaaaaggag tggaggtga agaagaggag tgaaagaata 480
gaggttgaa tgggtgtatg ggtaaaaggg gggagaggt ggtataggatg aatagaggat 540
ggaaagaag aataatgtag ataaagaatt aatatgtgag aagagggaaag agcatataat 600
aaataggggt agagagataa gaagagagaa tagggagga tggaaagaga aggagtggag 660
ggttagagatg ggaagaatag aaggtggag agggaaaagt agagataagt gaatagagag 720
gaatgtatgg aagagaagag agagagagga tgtaaaagaa gagagaagaa gatagtgaaa 780
tagagggaaag taagaggttag agtgttagagg agaaagttag gggagggtaa atggtaaaa 840

gtagagatgt gaggttaagga ggttagtaaga tagaaaatta gggaaagag gtaggtata 900
agaggaaatg a 911

<210> 1950
<211> 397
<212> DNA
<213> Glycine max

<400> 1950

ttgtaagcac catacaaaaag agggtcactc tctttatgag ggaaaaatcc taaacacaga 60
cttgcactc agagaactat cacaatgtgt ttagtttg gaatgcttca acttgttctt 120
tatagccttc acatctgcct tattaaactc ccaagaaaaa ccattgtagt ggactccaca 180
cttctggagt aagtatggtc acttctacaa ctatcatgaa gtgacaatat acatccatta 240
tgaggaacct ttctaatggg cattcttagt tttacaaaga atgaatccat gtattgatga 300
agactagatt ggtgctccat tctgatgt tagtacttta ttactcttaa cactttctt 360
aaatccttaa gcatttctga atttgattac ttcaaaa 397

<210> 1951
<211> 131
<212> DNA
<213> Glycine max

<400> 1951

cgacagcttgcatctca gactggctta gtggcttgg aaagagaatg aaatcagaat 60
catgaatttt tagacaaata ttctaccgg aagagccagc actctaagtg atgtttaaca 120
aaaacgtcat g 131

<210> 1952
<211> 386
<212> DNA
<213> Glycine max

<400> 1952

tggactccat ttctcttagag tatggaacat agataaacca ctttctactc cttctctgca 60
cagctttct gctttgtgt cattgagcca catgagaagc accatgtcac cgccaatgta 120
ttttggttta actttcacc tccatcccac ataagtactt catcaagtct atcaaacgcc 180

attaggttcc tcagtctacc tatccaagct ttggtagcc atgccttctt attcattgat 240
agtgttagtt ggatagacga gcgagaggc ataccttgat gcctgcgc atcttaatgt 300
ccaccgttcc accacatgca tactgtctgc tgcaaccaca ttcggatatg atctgaaagt 360
tgccctctcgc ttgggattct gctggt 386

<210> 1953
<211> 183
<212> DNA
<213> Glycine max

<400> 1953

caagctgtg attgtgaaa tatatatata tatatattct ataaagaaaa gaaaacccc 60
tgagggtcgc acttgcacat ttgagaagaa aactcattgg accaaaagct catggaaaa 120
ccccgaagac aattgcata gtaggtgca tttgatgatt gtccctcatg cacactactt 180
atg 183

<210> 1954
<211> 395
<212> DNA
<213> Glycine max

<400> 1954

ctgattctat ttatgcattt ctgactttat ggcttgtat gaagttcaaa gattggacct 60
cttgctagtt tttattgtg aatagctaa acacttgtc ttgaatgaaa caaaagtttt 120
gagactgtgg tttaagctgc tttccttgat atatgtctta tgccctaactt catctaattg 180
tacaggttac attttattct tctcttgaa caactgcattg ctttgtaaaa gacaagtgtat 240
gagggcattt tggttcatcc ctttatcatg caatcaatca aaactgtaaa tttgggggag 300
ttcttagtgc atgaatacga ctaacttttgc gtataaaacc tgtgttaattt ttcaaaatct 360
ccaattttatg gtatttttag ggttgcatta ctttt 395

<210> 1955
<211> 852
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1955

ccacacctaaa actaacaact ccctccccc tctccacccc accccttccc cctatttcgc 60
tccccctccac ccaacacccc nncccnnnnn nnngatatct ccacagcagc cncnnatttn 120
taacccccc tcaaaactct cacccaaccg cacacacgtt ttttctccc tcttgcctt 180
ccccacgggc cgcccgtaa aaagacccccc accacgcaca acccccaaaa gaaacaccac 240
ccccctacaaa aactaccgat caacccaacc accccccc cccacaccctc ccacactccc 300
acccaaccca caccctncc caacacatca taccacccca cccacacctc cctccccaac 360
cacccctaccc acacccctc cccacccccc ctcataccca acgccccac ccacaacccc 420
cacctcaccc cactcccca ccacccatac ccgacccctt acccctccca ccccgcgccc 480
ccacccacc ccccccacccc cccacgcccc caataaacac ccgcaccaca accccaccac 540
cgaacccac accccctac cccggccac ccccccctg cccccaaccc tcaccctcgc 600
ccactccac ccaacacaca ccctacccc aaccaaccac catacactca cgtactccc 660
ccccaccacc caccacacac tcccacaacc ccccccctt ctaccacacc accacataag 720
caacccaccc cccacaatca ccccccattt cccacacaca cgcacccctt ccaacaacta 780
ccacccgcac tctttacac gcaaactaca ataccacca cctaaccac cacacacgac 840
caccccgaca ca 852

<210> 1956
<211> 674
<212> DNA
<213> Glycine max

<400> 1956

tttcttgaaa cggggattct taaagacctg cggcatgaac ctcacaatag gtttagtgaa 60
atttttttt tccgacacccg aaacttctgg ggggtttagg gaaaaaggat ctccccatta 120
aaaccgttta taacttacca agttcttaga caagtttca ttttcctggc ctaccactca 180
ataaaaactcg acgatgttca tttagaaattt gtcctaaaac ttttatctga acggtagtta 240
cattcttcg aacgtggtca tgtttacagc ggtgtcgcat gttccaagga ggcgaccttt 300
ttttcaatgt aacgggtcta ctccacctt ctagcgagc ttctctattt tcctccggat 360
gttggattt gttctcacgt cccttttaac gtctccgtt tttgctagcg ggcctctattt 420
ctcgacccat caactccgtt cctttgatag gagttacag tctatacctt tcctgtgctt 480

ttatctcctt cattttttt cccttactta caacgttact tggttcttt tacagctatc 540
tgctcggtac ccactcctgt atctttcct gctacttcat aatggtattc aattatcact 600
cttgcgtgt gctacgtctc gatgaatacc gtgactctt aatgtatgct cctttccac 660
aatagcgtct catc 674

<210> 1957
<211> 240
<212> DNA
<213> Glycine max

<400> 1957

cgtatgacaat catgaaaactg gccaaataca ggctaaaggc ccatttggat aatgacaaag 60
cccccgagtg gagaaagatg aaggcccaag tggagaacga tgaacgccc taggcagaga 120
cactatcaag actatcaatt gttgctaaag gcccaaacta aattgaaagc ccaagataaa 180
taagctctta gtcataact attttatcg caatttgac ccaaactgtt tagaaggccc 240

<210> 1958
<211> 240
<212> DNA
<213> Glycine max

<400> 1958

agcttctgag agtgccttat tgtgtgctgt ttttttttag gcaaattccc tttagcaatct 60
cccaaattaa ggacttatca taactgaaa cccttatgct ctcttagaac cctaaaacaa 120
ggtcaaggat atcaaaatta ggatcagggg cttattcaaa caaatcatta attactttg 180
gctcaacagg gctgcaagga aaaaaactca cacacggaa ctattctggc tcacccccc 240

<210> 1959
<211> 605
<212> DNA
<213> Glycine max

<400> 1959

taagcttgca aactagctt tttaaataat aataataata ataagaataa ttattattat 60
ctataccatt tttatggcat tatgaatgac agtatgaatg agcataatgt gcttagagag 120
ttcacttgca ttggaaaatt ttcaaaaaga aaaaaactta agttaaaagg ataatgcaac 180

cagattaata cttccaaaga aaaaaatgtt ttgtaaaaac atttcagac aatttaaata 240
tttttatttg actatatagg tataaatcat ctctaattca tatattttta atattatgtt 300
ctttttttt catttcttt tgatataactt tgtgttttaa taacttgaat tcaatatgat 360
tttggttatc aattatTTT ggatttgcg attacttata cgaaatttta taagttctt 420
ctttggta gtatgttagt atttcacgag gtttAAAT aattaattga ttAAAGACGT 480
ctttaagcag actcttaat aggttcgtag gccgataagc cgagtcgagc cttaaaaaaa 540
agctatgaca gataatgagt cgaactcaa tcttacgtag ttaacttaag tcaaactcca 600
atcta 605

<210> 1960
<211> 246
<212> DNA
<213> Glycine max

<400> 1960

agcttcgaaa tcgaaaacta agcggttgc gatcgacgaa caatgaagaa cgaacgaaga 60
acagcggaga acgctcacag aattgatcac agaaacatca cgaaagcatt acagaagcat 120
cttggcttga attttcttct tcttgatcct tctttcact aattttaaat gaaatatgtt 180
tgcccagggt gctgaccctt tcccttcagc ctcccacgcc tttttatagc caaaacaggg 240
aaggag 246

<210> 1961
<211> 323
<212> DNA
<213> Glycine max

<400> 1961

cagccccctta ggcacccctttt tttcttttga atttgcagag gaaaattatc tccggaagaa 60
aatcaagccg aggcgccttct gtaacgtttc cgtgagtaat tactcgaaga ttcttgaccg 120
ttcttcaaga tccatcggttcc gggcttcatt ttcttcagtc tacagcgggt aagtacctta 180
aaccatgctt ttcaattcgt tgctatgtac ccgtggtgct ccacattttg ttgcattgtat 240
tttttagttat tgggtgtatg tactttttt accccctttt gatgtgctta agtcattttat 300
ttaagtcatt tctcgcttaa tct 323

<210> 1962
 <211> 247
 <212> DNA
 <213> Glycine max

 <400> 1962

 agctttaga atggccagac atgatacatg tcatggttt gtttggttca agggtaaaag 60
 ggatgc cccca cattattcc atgacacaaa tgcaaaaatg aagatttggaa aactttatgc 120
 aaaactggtc atgcacatgcac ctatgtggac actcaagtgt caaatttttta tggcatgtg 180
 aagcttagggt ttacgattca ttccctctat tttagtcaac ccaatgttcc caacaaatgc 240
 tcttttt 247

 <210> 1963
 <211> 426
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 1963

 tgctcgtagg gcttctatgg aggctggatc tttagcttc aatgttggtc ttatggng 60
 atttccacc atggagatgc agcggaaagac aaaggagaag aggtgagagg aggtgccatc 120
 cactatggaa taagccatgg aagaaagagt ttaccacca agatgagcct tggataagaa 180
 gcttggagag gatgcttcaa tgaaggaaaa gaaagaggga gagaaagaga gaggggggag 240
 cacaaaattt aaggaagaaa aagggagaga tagtgaactt tgagttatgt ctcacaagac 300
 tcccattcat caaagttaca acaagtgttac cacatgttca tatattataga ctatgttagct 360
 ttcttgagaa gcttcttga gaaaactttc ttgagaagtt ttttggaaa aacttcttga 420
 aaagct 426

 <210> 1964
 <211> 347
 <212> DNA
 <213> Glycine max

 <400> 1964

 agtttcattt aagggcttcc tccagaagct tcctcgtagg ttctttgcga agctttctca 60

agtggattct ttgagaagtt agatccttat ctatccacac ccttcttatta actaaattaa 120
cttccttaaa aataattacg gatgaaaata acgcaacaaa taatcaaaca tcaaacataa 180
ttacgaataa tatatatata tatatatata tatatatatc agggtgttac aatcatagct 240
catacgacac aggaaataga gtaactgtgg ccaagtgtac tttgtactag ggggctgtca 300
cctggtaggg aacacctttg ggctcccagg ctgatcacct atgggag 347

<210> 1965
<211> 454
<212> DNA
<213> Glycine max

<400> 1965

tgagatgagg aagtgtgaa gggtaact tcctgctttt attgttgacc acagagtgg 60
acctggagat atgtcgccgg ggtcaggaga ccttggggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
tgcgttaccc aagcaggcga gtcctggca gtcaacagat aaaaggaaaa caagaccaca 240
aagcaaggag gcttgggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg 300
cctctggtaa tcgattacta aaggtggta atcgattaca aggctaaaa ttgaggacag 360
gaggctaaga tggctctgg taatcgatta ccaaaggggg taatcgatta ccaagcttga 420
aaacgaagtc atggaactta gggagcctct gttt 454

<210> 1966
<211> 573
<212> DNA
<213> Glycine max

<400> 1966

agttccaag aatcaagatc aagattcaag attaatatt catgaatcaa gagaacactt 60
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aatctgttta ccaaagagtt ttactctct ggtaatcgat taccagatta ttgtaatcga 180
ttacttagtag cgaaaatggt tttaaaaaaa cttaactg aatttacaat gttccaattg 240
atttcaaaat gttgtatcg attacaatgt ttggtaatc gattaccagt gtgcttgaac 300
gttgaattc aaattcaaat gtgaagagtc acattcttc acaaaaaaagc ttgtgtaat 360

cgattaccag taaaatgttt tgaacaaatc aaaagatgta actttttaaa tagttttga 420
ctctttcaaa ttggctttaa gttttctaa aagtcataac tcttctaattt gttctttga 480
ccagacatga agagtctata aaaacaacgc tttgtttgc attcttacag ctattcaatc 540
caatcaatct tataacaatcc tttacaagcc ctg 573

<210> 1967
<211> 419
<212> DNA
<213> Glycine max

<400> 1967

tgcctgaaac tatatgagat ccctttgtcg ttgccttcca actagggtta agcttaagga 60
gaacctcaatc tccttatctgg tagttcactt cacgacgtt cccatcagct tggctttca 120
tagcagcttg ttcccttagaa gcttatttcg aatagcttgg aaagtgttat ccctatcagt 180
taacatctct tcaacggcct caatgttcga agaccctgta atatattcag gaaagttaaa 240
gggttttcgg ccaaagggtga caccatactg attggctcca gttcccgcat tccatgaagt 300
attatgggac cattcgaccc acgggaggag ctatcccccc atgcttggcc cacgatggat 360
gaaggctcgc aaatattgtt caattatgca attcaaaacc cttgtctgtc catcaattt 419

<210> 1968
<211> 69
<212> DNA
<213> Glycine max

<400> 1968

gagacgagcc gcagcatgca agattgcact aaatttacat tgatggttgt atttatgtca 60
cgcacccccc 69

<210> 1969
<211> 305
<212> DNA
<213> Glycine max

<400> 1969

ctttgctgca aaattccttt ttgttgtgt tttttgggt tgtgctaaag gtggcttcg 60
tcattggaag tgccgtagac aggcttggc gttgattttag ggatggcctt tgtggataat 120

cgggtggtgg ggtacggagg acccttcctt ccccccaccc acccccccctc tccccttccc 180
tccccccccc ccaccgttcc accccctcac tccctcctcc ccccccaccc tcctccccgc 240
caccccccaccc cctccccccc cccctcccc ccaccctccc ccctccctc cccctccct 300
cctcc 305

<210> 1970
<211> 320
<212> DNA
<213> Glycine max

<400> 1970

agctttacaa acatgcttgt taaaataaa aattaaagta gtctacatat gggtttagtt 60
agttacagtt atagatgcac atgtgattag ttggcgtggc gaatagtctc tctactacta 120
cataagccgt atatagttat tatgttaacg actttcacat ttcagtaatt tcactttctt 180
tctttcaaat tcctagtcct agtcctaccc aaactcctcc tccttctatc ttggcttaaa 240
tttttcagag aaataaaaata caaaatcctt caaaggatga ttctattaac catgatata 300
acgtgccata tcccgaattt 320

<210> 1971
<211> 453
<212> DNA
<213> Glycine max

<400> 1971

tccacacctt atgtactcat aaatcagttt ctctctgaa ccatttaggc accaaccgta 60
gagtgtgacc aggtttggat gtggccaacc aaagccatga ccactcagaa cctccatttc 120
agccttgaat tccttctcac cctcaagacc ttcccttga agcttcttca ctgccacttg 180
tctgccatct gaaaacactc cttgtacac tggccaaac ctccttttc ctataactct 240
gtcctctgag aagctgctag ttgcttcag aatgtcgca tgtgtaaaa ctgtcttgtt 300
cagacggata accttaactg tgtcagacat ccatgatgag gatccggagc tgctgaaatc 360
atgccattgt tttgtatccc tcaagaggtt tcttggttcc tctgaagggc ttttcaccga 420
tacacagact aggatcgtaa gaagcccgat act 453

<210> 1972

<211>	493
<212>	DNA
<213>	Glycine max
<223>	unsure at all n locations
<400>	1972
agcttgcat tggattgcg aaagccccac tccatcatta tgattgtac ctgacatctc	60
aaacaaacaa atcaaacgta acaagacaat tatagttgct gtttgaatac ctcacccact	120
caagtgtatc acacaattat ggctttctc taatgaaaca ctcttgcctt ttaccactct	180
aattccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac	240
caatatgtgt aaggtaaggc tagacaagga aaaggttaac caagaaaaag gctaacaatg	300
tttttaggca caaatgaagg aaataaaatt cagaatttag gaattcaagt aacaatcctt	360
catgcaacca atatattacc tttaagagat tttttttta aaagttcttc aagcatgaac	420
cattcagccc aattttttt tttttttta attntgctta tacgaaattc tgcttctttt	480
tttttttat aac	493
<210>	1973
<211>	548
<212>	DNA
<213>	Glycine max
<400>	1973
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catttgcttc caaagttca tggccttgca ggtgaagacc tgcacaaaca tctgaaagaa	120
ttccatattt tctgctacac catgaaaccc ccagatgtcc aggaggatca catattatg	180
aaggccttcc ctcattttt agagggagtg gcgaggact ggcttttatta ctttgctcca	240
cggccatca cgagttggga tgacctcaag agagtattct tagaaaaaaa attccctac	300
ttccaggacc acggtcatca gaaaggatat ttcaaggattt agacaactca gtggagagag	360
cttgtatgaa tactgggaga gatttaagaa actatgtgcc agttgccttc accacttagat	420
ttctgagcag cttctccctcc aatattttta tgaaggactc aataacatgg agaggagtagt	480
gatagatgct tgccgtggtg gagctttgg agacatgacc cctgctgaaa ccagaaattt	540
aattgaga	548

<210> 1974
<211> 546
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1974

agctcaatca atattttgt ctccactgtt cttccaaat tcagccaacc aaacattgtt 60
ctatattttg tttgatattt caaagggtta actttctat ttattaaata taaaaaatcc 120
ttttaaatta atttagtgtt tacataaaa aaaatactag atactttatt taactcagtc 180
tattttgacc tagtctaata tatagttta gaaactctat ttttcagta aaaatatcta 240
tgcttaaat ggaaaaat gag aactctcc cacatcttt ctcttcgcct tttgtctagt 300
aacaatgtca catctcatgt taattttgtt tgaatcaaa taatttctta aattggatat 360
gaatcatagt tcattgttcaattcaag ataggtcata gttcatattt aattgtgatt 420
atggatagta aggacaagaa acacaaccta aagagtccta taagtttagca ttcttgaat 480
tggaaagagt accatttctt tcctcanatt aaatatattt aataccaaaa ggtgaccaaa 540
catatta 546

<210> 1975
<211> 230
<212> DNA
<213> Glycine max

<400> 1975

tccattattc aaaagttgcc tgtgcttctt caaccgtgg ctgttaatgg taatttagtc 60
cccctcgac aaagaaaaact gatgtgtaat gatgactgtg ctaagttaga gcggaaaagg 120
gttcttgcag atgctttga gattaccgct ccaaatctgg attcaactcca ttttggtag 180
aattcggttg cttctgaatt gctggctgac atgttgagac gtgattctaa 230

<210> 1976
<211> 311
<212> DNA
<213> Glycine max

<400> 1976

agcttgaat gaggaagtgtt ggaagggtga gacttcctac ttttattcgt tgaccacaga 60

gtggtacctg aagatatgtc gcgggggtca ggagaccttg gggacgtcag gtgggggtgct 120
attgccaga accaagcttg accaatcccg accaaccgg ggcatagtca gtcagtgaga 180
acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaag gaacaaagac 240
cacaagcaa ggaggcttgt gtggtggttgc cccacctgca aactctgact gttatatggg 300
atatgcctc t 311

<210> 1977
<211> 496
<212> DNA
<213> Glycine max

<400> 1977

tcaagaaaag gtcaaactcc ctcagaaatc ttatttcagg cttaaatagg tggctttgtt 60
catgcttatg cgcttagcgc aattctgaac cgcttagcgc gcattagtga atttcggctt 120
agcgcggctt ttctcactca acggatggat tgaaggcagtg cgcttagcgg aatgaccctt 180
cgctcagtga atatgcacaa ctcatcttc ttctagattc ttcctcgtgc tcagccgaca 240
tgtgttgcgc tcagcggatg gtcgctaag ccacaagatt ggcttagcga gagggtgaaa 300
ataaggactt caaaaacttgc ttaattaacc tgaatttgag agaaaaatga ttattaaaca 360
cacaaaatgg aagtactaag tacttattac ctatcttag caaaaagtat ttaccacact 420
acaaaatacc aataaattgg aggatttga tacaatttaa accaagtttacacaa 480
gttagtcata ttcatc 496

<210> 1978
<211> 435
<212> DNA
<213> Glycine max

<400> 1978

agcttatcag atatgtggc gttaattggc tccacagcct acaacatttacatcag 60
taacatggcc gagaaattta ttagcaattt agcatcaattt acctcgtaag gtgattaact 120
acaacaataa aagaaatggg ctttcaata aagaagatga acaaatttttggccagttc 180
gttatttaag aaaaagaaaa actaaaaata aaagagtgaa caagcatttacacactaa 240
agtttcaaag gatattttta aaatattctt aaaatttgag tttgatttaa ctcaatttag 300

taactagtaa ttcaaaaagt ggtgagaatt ctcttccact tataaaaaat tattttttt 360
attattttaa aattttcaat aagtctcatg ccgaacaatt gtttctttt gtaaaacaag 420
atatcacatt ttttt 435

<210> 1979
<211> 466
<212> DNA
<213> Glycine max

<400> 1979

tcaactgtga agctatcttc gtatcgagca tgccaaata tgcatgactt tcggttgcg 60
ctttacaagt tgccattgcg ggccccaaa gatgaccaag aatatgctgg tttatggga 120
ggaaacctttg gttggcctcc tggaaagcct tctgaagaca agcctggaaa ggctttattc 180
tttcttctgc tcttttatga ggagttccag ggacaacagc ttcttattgc aacaaaaatt 240
ttggaaggca cacactatgt gttacatcct aacgtgtcag caatgtttac agcaaatac 300
aatgatcctt catccgaacc cttccctgg gacactgatg cagactcggt tccagtgaat 360
atcaagcaag cttcgtggg agagggtatt gcaagtgggt acgggttcag ataccctgga 420
tcaaaggctg gttcccttt tgtttagaa aatggtatcc ttgcct 466

<210> 1980
<211> 418
<212> DNA
<213> Glycine max

<400> 1980

agaccagccg cgccctgcca gtcttgtaac aattttcct agctcgacc tttattatga 60
atctattcac agacctacac ccagaacttg aggtacaaag gaaagcttg tcggcgtgt 120
ttgaataacct caccactca gtgtatcaca cccttcattgg cctttctcca aagaaacact 180
catgccctt acccctctaa ttccccttga gttcttaggc aatgcaagag attatggcca 240
ccacaaagaa ccactccccca gtatcggtta gggtcgggct ggccaaggaa aaggttaccc 300
aagaaaaagg ctacccatgt ttcttaggcac acaatgatcg aaataaaatt cataatttat 360
gaactcacct gaccatcctt cctgccacca atactattac cttaaacaga attctttt 418

<210> 1981

<211> 207
<212> DNA
<213> Glycine max

<400> 1981

tcgctgaatc actattctgg taggaaagat agacacttta ttatcctgac ataccagg 60
tggatgacac atttactcct gtgtctaaaa catttagaat ctgcacaaaa taaagctgaa 120
cacttcatta ctcattccct agttaaatgt tactccattc ggatgtatca tcaattcaaa 180
gaaaatgact tcgctcacaa atgaatt 207

<210> 1982
<211> 277
<212> DNA
<213> Glycine max

<400> 1982

agcttttat tgaaaggaag tcttcaaaac ttgccacaa cttcatcaaa atgtgtaaaat 60
ggtttgttat ggcaggattc taaagcttc aatggcatca aatcaaaaga cttagacatca 120
atgaaggcga aagggtcagc gtttattgga tctatttctc cttgaaaatg ttcggcattc 180
ttagttggag aattttcaac gacaactata ataaaaattha aaataaaattt agattcgata 240
ttcgaacaaa gaataattga gcgcatagtt tatttac 277

<210> 1983
<211> 436
<212> DNA
<213> Glycine max

<400> 1983

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ctatattctt cgtttgatgt cttgagtccg tttgagcatt taatgcacgt ctctttcat 120
gcaaagacca ttagatagg ataacatgtt ttatacttaa atgaggaagt cacttcttc 180
atcatagtag gtctacaaca atagagagcg ccctttgatg aggatcaaca tctccaaagt 240
gtgggttca tttattctt ataggactat gatagatcct aggagaatgg tgggtggaga 300
gatcgtctaa agcacatctt gatgttacaa caatggtggt aggagagatc accacttgag 360
tcttagcaac agtccccttgg ttcgtgactc catcttgtct tttgttctt aaaaaaacct 420

attggcata atgaca

436

<210> 1984
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 1984

agcttatatt cacaaggac cctagngtt ggtgccttag tctttttt cgggctggga 60
gtttagatt gtttgatt gcttgtaagg attcttgatg catagtggaa atctaattca 120
gttgtggat tagataagtt acttagttc tctagaaata gagagtgaac tagtataaaa 180
gattgtgtct ttcttcctt gtcctaatct tttctctca tttaagggtc aatcaactca 240
ttcaagttta atcaagtctt ttgagttt aacaagttt tcacaaagat tcaagttta 300
tgattgtgaa agaaaggatg ttactg 326

<210> 1985
<211> 528
<212> DNA
<213> Glycine max

<400> 1985

actatgaaac taagcttaa caaatgtctt cacaataat catcacatag cttaaaccta 60
gcaagactac ccatcatatc tccccaaacc ccataccac gaaaatcaaa ggagaaagaa 120
gtccacccaa acctgaattt ttgaagtccc actcgtagcc acgcacttca cgaccccgaa 180
aatgccctcc tttgcgatt tggagcagaa atgatggcca aaggttgaag ctggcttgg 240
agcttcaatg gaaaatgaag aaaaagaaaa tggcaacgtg agggcgagag agggctgtct 300
gaaaagtgtg gtggggctga gtgaagagag agaaaagctt ttgggtttaa ataaaaaggg 360
gtttctctt tttctattat ttattttatg caaatgccac atgtctccat ttgagtggag 420
caagaaaggc ccaacttctc ttttgactg tgaccatac tcagtcacca aagtgaggaa 480
aatctgacc cttgaaacg ctaaaatcct gcctcggtt gcgtgccc 528

<210> 1986
<211> 461
<212> DNA
<213> Glycine max

<400> 1986

agcttagagc caattcaaac gacaataact ttttactcggt atgtctgatt gagtcccgta 60
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tttttactcg gatgtctgat tgagtcccggt aatataacgaa gacgctcaaa attgaatgtt 180
gaagctttga gccaaattcaa acgacaataaa cttttactc ggatgtctga ttgagactcg 240
taatatatcg agacgctcgaa aattgaatgt tgaagctctg agccaattca aacgacaata. 300
actttttact cgatgtctg attgaggccc gtcataatatac gagacgctcg aaattgaatg 360
ttgaagctct gagccaattc aaacgaccat aacttttac tcggatgtct gattgagccc 420
cgcataatatac gagacgctcg aacatgaatg ttgaacctct g 461

<210> 1987

<211> 430

<212> DNA

<213> Glycine max

<400> 1987

taaacattca acttcgagcg tctcgatata ttacgagtct caatcaatca tccgagaaaa 60
aagttattgt cgtttgaatt tgctcagagg ttcaacattc aattttgagc gtctcgatat 120
atgacgggac tcaatcagac atccgagtag aaagttattg tcgtttgaat tagctcagag 180
cttcaacatt caatttcgag cgtctcgata tgtgacggga ctgaatcaga catccgagta 240
caaagttatt gtcgttgaa tttgctcaa gggtcaacat tcaatttcga gcgtctcgat 300
atattacggg actcaatcag acatccgagt aaaaagttat tgtcgtttga attggctcat 360
agcttcaaca ttcaatttcg agcgtctcgat tatatgacgg gactcaatca tacatccgag 420
tqaaaagqta 430

<210> 1988

<211> 441

<212> DNA

<213> Glycine max

<400> 1988

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agcttttaga aacaggtcag cattcactct ctctatttct ttttaaaata ttatgtgcaa 60  
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aataacaacaa tgttaagagg ttaaaactctt tctgtattat atattagagg aaattgcact 180
agcatccctt gagatttcc taaatgatac aatccagtcc tctagattct tttgacttgc 240
tgaatacagt gagttgtatt ttacatfffft ttagagtact gaatacagtg agtttatga 300
ctaatacgatt tatatacttaa attttagtata tatgaaattt gaaagtataa ttaaatttgg 360
atggtgttga aaaaatattt tactttgttc tgcatggaa aaacatgtat tgaacacatta 420
tttacaaaca ttgtatcatc t 441

<210> 1989
<211> 553
<212> DNA
<213> Glycine max

<400> 1989

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tgaagattc aatgaaccat ctttcagaga cattgctatt cccattgttgcagctgatgt 180
tgatgataga ttgctgaaat atgaagcaca agaaacatta aaaggattgc taaaacaggg 240
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cctccaatcg taacagcatt gtgcttgat aactgagaac tgaatttact tgcatacgcc 480
attctgatac tcataaacgt aataaaatac acaaacaatc agaccaaaaa caaagaagtgc 540
cttaacacat taa 553

<210> 1990
<211> 485
<212> DNA
<213> Glycine max

<400> 1990

agcttcatcc tcagatcctt cttgtggac taggctaat ttagacaacc ctccttagtt 60
tagacaaact taagctaagc ttcatcctca aatccctttt gttggacttag acttagctt 120
tcatacccta atttcgtctg gggactatttgc tttgatggca taaaaccttt gggtgaccgc 180

ttcgagttac ttggcaccct ttgttgacaca atacgtgaag ttccgagaca tgccggaaat 240
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acatgatccg taaggttccg taaccttacg gaaagaaaac aagtatcggt atgaaattcg 420
tacagtttcg taacattacg gaaaatgaat caccacaaga agcaaagggg ggtgtattta 480
ataaa 485

<210> 1991
<211> 320
<212> DNA
<213> Glycine max

<400> 1991

ttctttagc atgcattgggt ttgacgtatt ctttgcttg aattcaactag atcccttccc 60
gccttagtatt tctcactgggt aggctaccgg ggaaactcgg tggagccgct gctggttctt 120
tgtctctttg gcccttaatt ggcccttag tcgacccttt cttctcttta ttcattccac 180
attctacttt ctgtaaaccctt cttactctgt gtcttgcgtt tttcagcctg aattccattc 240
ccgaaatctt ctatgatatg aaactacata catcaattaa gaaaatagtg taggaatcta 300
agataagata gagtccctact 320

<210> 1992
<211> 357
<212> DNA
<213> Glycine max

<400> 1992

agcttctata gaaggttcat tcctaatttc tctacaatttgcatcacctct caatgagctg 60
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aaagaaaaagc ttactaaggc acctgttcta gctttcctg acttttctaa aacttttgag 180
ctagaatgtg atgcctctag agtgggagtt ggagttgtat tgttacaagg tggccaccct 240
attgcttattt ttagtgaaaa acttcatagt gcccccttc actacccac ctatgataaa 300
gagctttatg ccttaataag agcccccctaa acttaggaat attaccttgc ttccaag 357

<210> 1993
<211> 551
<212> DNA
<213> Glycine max

<400> 1993

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atggtaatg ttgtctctag aatattCCA ttggatttaa tgatgaaatc tgtgcattt 120
caggtgaaaa agaggctaag tttgaattt caaaatgttag tagtgggct aagctcagca 180
gttgggctaa agcgcatatc cattgctaag tgcaGCTTC gCGCgCTTAG tgcaAAAGAT 240
aatctggcag agtacgttgc ttccggCTTC ggcaagtGCA ccggatcGCA caagtagtat 300
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cagcaaatac gcgtctatttG tgtaaaaata agtGtGAATA tgaacaagtG tataaactat 420
ctgtgcaaaa agaatgaaaa tcacgCGAGA gaaatgtatG gtaaaaacAA gtagagtaca 480
cgTTggTCTT CCTAATAGGT GcCTGATGCG AAAATGATAT TCTCTATCTA ACAATGCTCA 540
tgtgctctta t 551

<210> 1994
<211> 603
<212> DNA
<213> Glycine max

<400> 1994

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cctatCTCTC tccacCCCCCA ctccccCTC tccCTCCCTC ccGacCCCCC tccCTCCTTG 180
cctGCCCCCTC tccCTTACCC ctccccACTT tccCTCCCCC tccccGCCCTC tccccCACCC 240
ccccGCCCTC CCCCCCCCCC CCCCgtCTCC cccCTCCCCC cttCCCCCCC catCTCCCCC 300
ccccCTCCCTC tccTCCCTC CCCCCCCCCC tctCCCCCAC CTCCCCCATC CTTACCTCC 360
ccccCTCCCTC CCATCCCCCC CCCCCTACCC ctccCTGCCT CCCCCCCCCC CCCCCCTCAT 420
cctCCACTCC CTCCTCCCCAC tccccCTCTC tccccCTC CTCCCCAGC CCCGCTCTC 480
tctCCCCCCC CCCCCCTC CCCCACtCC CCCCCCGCCC CTCCTCTCT tccccCCCCC 540
ccGCCCCCTC CTTCCCCCCC tctCTCCCCC ACCCTCCCCC CACACCCCCC CCCCCCTCTC 600

<210> 1995
<211> 400
<212> DNA
<213> Glycine max

<400> 1995

tctaaacctt atacaagaat gaagctctga taccacttgt tggataagtgcctcagata 60
tcttagaaaa ggggttgaa ttaagatatac acaaactatt tcccaatta aaaattttatt 120
ttactttcta ttcaagttat aaattccctt aaaaatgaac ttcttaaata ttgattcaaa 180
taaagcaatt tgaatatgaa tataaaacaa taataaataa aggagttaa ggaaagagag 240
attgcaaact cagacttata ctggttcggt cactcccttg tgcctacggt cagtcggcaa 300
gcaaccgcgt tgagagttcc actatcttgt aaaagcctat tacaagatct gaaccacaca 360
aggacaaccc ttcccttgcgt ttttagatttc ttacaacaa 400

<210> 1996
<211> 111
<212> DNA
<213> Glycine max

<400> 1996

agcttgcata actgaaacca tctttgggg tattttattt gtaaaaacag cagcaccttc 60
aacagaattc attgaataac cacatggctt aaaagtaaag tcacaaatct c 111

<210> 1997
<211> 416
<212> DNA
<213> Glycine max

<400> 1997

tgccagaata atgggttggaa tacagattat tctggatgg tttgtcatct tgtaaggcct 60
tttgagtctc actagattct actctgcagg cttttcgct cacaatgaag gcataatgcca 120
acacttctac aatgtgaggg atgttctga tggtttgat gtcaaattcac tctctgatag 180
agttggagaa gtgatagaca agttggaaac tttgcattgc aagcttgagt caaaagtgc 240
agaaatggag aaaaacaaag gcacctagtt ggaccaagaa gttttaaag gatcaaata 300

tttggccatt tcatagtgct aatgttgctc taaggcggt tcgggttccg aaggttgatg 360

aatggatgaa gttcgagtg aaagaggatc atgtgatcaa ttttttcat cactga 416

<210> 1998

<211> 948

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1998

acctttttc tttcacacgc caccaccnng ttcacggcgc tcgtgaagaa gaacggggca 60

ttctctcccg cgccggtaaa ccaaccacac aagccctttg cttctgctca aaggaaaagc 120

cttacttatac ggcccctgca cctagctttt ctccgcactt ttctataaac accttccacg 180

ccttaaagcg cgaccccccct ctaaaggcgg actctcgaga cccgcctccc gctcccacgc 240

cgcgcgcgcgc ctcttggcct atttttaccc gcacgaaact ccgcttgtgg ccgccttcg 300

tcctcccccc tccccactct aaacaacaac ctctcatccc gcctccaata agccacgccc 360

cctcgctcat ccactagctc ccccctctgt tctctatggc cttgcctct tcttcgacg 420

tctctatccc ctctacccctcc cgccgcacac gatccagctc cttcccttct ctcaaccta 480

tctctttac cgtcccttcg tccctcggt ccctttcac cacccttc tcttcgcgc 540

acaccgacct ctcttccccca cttcccccgc gccgcgcac gctccattgc tttccgcacc 600

accgcctgcc accgatcaact ctccgcgc tccccactta ctttctcccc gccaatcacc 660

cccgtaactc cccttccttc tgcccaacttc tctccttcg cacgctacca tccactcgac 720

attgctccac ctatccgacg ctccctaccc tcaactctta tcacctatct tacctntnct 780

tgactacaac gctacctcgc gcttcctcgc ctctacgcgc accaccagtt cttccctatc 840

tccgctctac tctgttcaac agccccgttc ttattgcgac tcnccatctt cgtccctacc 900

tccgacgctc acgcttgcgc gtcgcctnca gctcgtctca ctgcgcgn 948

<210> 1999

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 1999

tgtcctgaaa ctggantaag aagaaaaaaaa tacatTTGA gaattatAGC ttagTCAGGA 60
ggttccttgg cctcgaatca aggaaaaacg cgtctctctc cgtactctca ccttttccc 120
tctttcttct ttaaccaacg cataacaaca tggggTggag tatccctaAC aggCCGtaAC 180
accctaATgc attgtcggtA gtgtcatCTC gatgagAGtg atagtgtCAA gttgtccATT 240
gtgcgacaat ctatcgactA catggactCC cagcctacat tcacaaAGTA ttttcaAAAT 300
ggtaccatat gcatgcaaAT ccataAGTta aatgtgaATC atcttgcATg tgtgtctatg 360
tgtatgagac atttgaaggg ga 382

<210> 2000
<211> 431
<212> DNA
<213> Glycine max

<400> 2000

agctttcccg ccatccccaa aataatttC atactattat ttcataaaaa tccctaACgc 60
gtgtgttcct ttccccacca caaatgcgaa cgaagaaaac aatgtgtaca tggcagattc 120
tctccaactc cccaaataat ttccactggc aacgcattac caccaccacc acccaccaac 180
acgcttcacc tccctccTTT cccctccTTT ccatgcaaga tcttctcgc cagggttccg 240
attcctcaat ctcttttct atttccaaaa acattcttt ccttttcctc tttttttatt 300
ttaccaattc ttttctcgc aggcaCTCCA actcttcccc tccaagacga cgccggtgct 360
ccaggtcgag ctaatgcttt gccccaaacg aattcataat cttaattaAC tattttaaaa 420
cctccgcatt C 431

<210> 2001
<211> 387
<212> DNA
<213> Glycine max

<400> 2001

aatactaAGC tcgcttctac atttatCACC ttatAGATG attgttcgtG atatATGAAT 60
atttattcgc ttcatAACAA aaataaAGCA ttggatCCCT tcaaAGTCTT taaggctgaa 120
gttGAGAACC aatgtggtaa gaaaataAAA atagtGAGAT tagatAGAGG tggagaatAT 180
tatggcaaAT atactgAGAA tggacaAGCA cctggTCCTT ttGCAAAGTT tcttcaAGAA 240

catacgattg ttgcccgta cactatgcct ggttctccaa atcactatgg tgtggctaaa 300
agaacgaacc gaacatttatt ggacacggta cggagtatgc ttagcaactc tgatcttcct 360
aaataacttgt gggctgaagc actaaag 387

<210> 2002
<211> 358
<212> DNA
<213> Glycine max

<400> 2002

cgcattgcattt ctattgcgtt ccaatttgaa gtgtttctt tttcatgaca gacaaaccca 60
aattgaagtt gcgttcggaa attatccttg cccatcgccc attttattga tctcttgcatt 120
cctcctaaaa cattaatcat attatagtta attattaaga tacagaagta cttataatat 180
tatattatga ggtgccttgc cactgataga tacatttgcgtt taagattaat gaatcgaagc 240
ctccacacaa ttacagttac ataaaatatt cattaaccct agtatgtgat aatcacatac 300
ctaattgcatt gagtttagtc tggttgaat attactactg tgtttcctat atatttt 358

<210> 2003
<211> 953
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2003

accacgaacg cgagacgggc gtgtgtgcga ctngancgtt cgttcacact cncagcacat 60
anacngagtg ctnncagcg gngcgtcagc attaaagtgt agcacacagg aancacgcnc 120
nctctagcag ccnncccccc cnncggagag atgaaaccnc tgtaacagac gccgggcattc 180
tataaaagag agctggcgaa aagccagtt tggtaagga gcattaaaag gagattggta 240
tggggaaaaaa aaaggagggg gcttaagta tacacacaga ggcataatgca caagaagctg 300
ccagggtaag agtaaaaaca ggcattgatg ctgagggtga cggcccttat gccccctcag 360
aaatacaata tgtgaagcag gccggctata cattcgtatc atggcccaca caacttggga 420
aagctgtatt aaatgaggga acatggtaga tttgacatgc gcaaaggaaa acaatcatag 480
aatacaggac aaatactcgc ccacttttat taaacaggtt ggaaccacaa agtaattcact 540

acaacgagga tgcacatgtg ccgaagccgg ctaatgggg a gcagatgaa ccggtgccgg 600
gaacgataaa gaacagttcg gagaattaag aaaacccacg ggagactacg ttgtatggg 660
ggtttcttgg aatggagacg gtcacatcg aaatccataa aaatcacgag ggaggaaaaa 720
aaagcgggaa aaaaagtctg aacataactg gcacacaaca acgcgaaagg aaggaaacac 780
cttaattaat tagccctcat taatggagta aacggagcaa tacaaagcgt taaatacagg 840
gaaaggcaaa agggcgaacg gagccacaaa tntccacggg ggtcaggaag ccatcgctg 900
gggcacaaag gaggatcggc cgaagagaa aaaacaccac cggcgacaaa act 953

<210> 2004
<211> 321
<212> DNA
<213> Glycine max

<400> 2004

gcttcgggag ttgtatttac gcacgggaa ggtattagca ttctctctcg tccatcacaa 60
gagacgacag ctttaatca aatgtcaaa tatgactta attcatggta tttcccttt 120
ctgcgttctt atggtttgt atgctttttt atattttat cttttgagg tcgacaaggg 180
ggttccctt tgctcctacg tattcctcaa ttgtgataac gaaatcatac ctacgttagt 240
ctttgtgaat aaagtgtttg gttaagtttgccttatttctttgcgaga tatgtcttt 300
ttgaatgaaa ggtcattttta a 321

<210> 2005
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2005

agctttgttc actgcagttt caaatttctg atttattact cttctaatac tatccccat 60
catataacaa tatttaatttgcgttta agcacattac tatttatttt cttaaaattt 120
atgaagctac aaagtataag actttatga tgatatgttta aaaataaattt ctgagtcact 180
ttatgaaaac aaaaacaatg gtatcaatttgcgttta aataataact acaattaatg actctaattt 240
gttaggacta agtcagaca tatttcttgcgttta ttcatgtagg tttcaagct gcaaccagat 300
attattacaa atgtggggat agntctatttgcgttta cagccatgac ccaagagcat ttcttttaga 360

cttttccaaa accttagtgcc aaataattat ccaactccaa t

401

<210> 2006

<211> 426

<212> DNA

<213> Glycine max

<400> 2006

tgatgaagag tgcttgacag ctttcagac cttaataacc agtctcggtgt ctgctcccat 60
aatagtgaca cctgactgga gtaaagagtt tggactcatg tgtgatgtcg gtgactatgc 120
aatgggtgca attcttggac aacagcaaaa caaggtattc catgccattt attatgccag 180
caaggtccta aatgatgcac aactgaatta tgccaccatt gagaaagaaa tgctcatcat 240
tgtttatgcc ttagagaagt tcggatccct atttgggg ctccaaagtc atcatcttta 300
ctgatcatgc agctattaag tatcttctaa cgaagaccga tttggagcca agggtaatca 360
catgggttct tctgattcaa gagttgata tagcgattaa agacaatag ggctaagagt 420
aaagtc 426

<210> 2007

<211> 301

<212> DNA

<213> Glycine max

<400> 2007

agctttttaga gatggattgt atgtatattga ctaccttttgc tctatctcac cgtgttttgt 60
gacaccaagt ttgttaatgt gttcgtaacg attcttcttt tatttcgtgc ataaaaaaata 120
ttttaagtca tgtaacaatg tgaactctga tttagctaatt tacattttta aataaaaatgt 180
cttttggggc tgtacacatt gtctcgccaa atctctcaaa ttgacttttc taacagtacg 240
taacaccatg tatgctaaca tggtaactgga tttggaggca atgtgaacaa aaacaagagt 300
a 301

<210> 2008

<211> 390

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2008

tatagaaact cagcttaca agtttcctt gtcttcaga tactgagtca ttggcatgct 60
ttcaagaaac aaatggttga gttggcttt agtatcaa ac aatccatatt taatatactc 120
agaagcatgt ttaccaagaa catctgcaa ctctcaatg aagttccat atgctggcaa 180
caagatgtgt tggagtgaca ttattatTTT ctcacttagc tgcttatcaa aggcacgcca 240
tttagaattt agtgctacat atatccttga agtgcattttt gaactaattt aggctgcctt 300
tcagtgactc tgcgttcgca ttatgctcca ctatctngtt gtctctagct ccagaaagtt 360
agcgccatat tccaagaact actttgatta 390

<210> 2009

<211> 353

<212> DNA

<213> Glycine max

<400> 2009

gcttaaggag accacttga acttttcac gaacaatatg gcaatctaag tcaatgtttt 60
tagtacgctc gtgaaaaact tggtaaaag agatctggat agcgattttagt tgcacaccca 120
aaaattgggg ggtgaaccta ccaaacacgt aaatcttggaa ggagatatgt gagccattgg 180
agctcgcaag tagtggaaagc caaggctcga tactcagttt cggaggagct gcgagacaga 240
gtgggctgtt tctttgagca ccaagaaata atgaaattgtt cgagatagac ggagaagccg 300
atgatggAAC gtcgagtgtc atgacaaccg gcccaatcag aatcactgaa tgc 353

<210> 2010

<211> 609

<212> DNA

<213> Glycine max

<400> 2010

catccatgc ttcttggcc gtcgttgcgt tggatatctt ctcaaattgtt tcttcatttca 60
ccgatttata aatgagaaag agagctttct tttctctttt ttttgcattcc ttcaacgtct 120
cctttacacc ttggcttagc gaggcttcat ctttttcctc gaagccattt tctatgtat 180
cccacacatc ttgagctcct agtagcgct tcattttgtat actccatattt tcatagttgt 240
tctttgttagt catcggttattt tggaaaggaa aacccatccattt ccgcattttt tgaggatctt 300

gaagctctga taccactttg ttggaaataa ggcttttat gtttaggaaa agtgtttagg 360
aatattggag actttgaata ggaaggagaa ttctctatgg aggagagaac tttgtatTTT 420
tgcttgatac aaatgtgtag gattacatct ctatttatac tactctaagg agaactctag 480
acacactaat tcttagagagt tctcaactct agagatccaa agaggattct agagaatatt 540
aaaaccataa gaaatatcta gacactcaa acactacaaa aattctctag aacatgaccc 600
ataattact 609

<210> 2011
<211> 348
<212> DNA
<213> Glycine max

<400> 2011

agcttcaca ctctattata ttggcttacc aagtgttata acacaatagt gaagcgTTT 60
tattgcacaa cagtgaagtg tacttatttt cagtctaggc cacaatctc accccattct 120
ccctgctcaa ccactgaatc aaaatttctc cagccacacc aaaatagaga tgcagaaagg 180
aggcaaacta atactaccaa taaccccaa gtccacgtt ttaggtggga attatactat 240
taccaaaacg gtttctacaa cctcttacag tagcataact ctgcaaaca ctctaaatag 300
taaaaaaaaaa aacttcaaca ttacagaact cacttccatg tgaaaaac 348

<210> 2012
<211> 460
<212> DNA
<213> Glycine max

<400> 2012

tatggatcat tatgtggatc aactcattgc atatgcataat ctctaggtac aaaaaaatat 60
ttttaaacct tttcccatta tttgaccggt agacactaca catacacatg atttggtccc 120
caagtaagtt actagggttt tagaagccag cagcagtagg caaaaatgtc gagttccatg 180
atgacgctct caaggaggct ctattgctct ctgcttcgaa ccccaatgc atatgccac 240
ttctccaccc atcacctttt cgactctgga cgaggccgac tcagcacccg acccaccgc 300
acccgacgCC gttcaagaag aagaaaagtt cgtcatcgat cgccccctcg agaatggcct 360
cgacgatggc atctacaggg tatcgtatTTT ctattcgaaa tccaatttac aattagcgat 420

tcatTTccc attcaattgt gctgttgt gttaggctat

460

<210> 2013

<211> 988

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2013

acgacataac acattaccga gatgtggaca tacatatcct taccgtgtga acgataagag 60

ataaaagagat ctttataaaaa ctctaaggan nttnnnntgtg atgatgcctg caaccgtgca 120

atagcgcact atncaataacc cagctatgag ggcgcgtcag ccaccaacac agcagaatat 180

agtattaatt gatgtgagca accaacacga gcgcacggAAC gcgcattaa cacaccgtac 240

taaactctac acgacgtaat acgaaaccac aaaaggaaca catactctag gccagccaaa 300

cagaacgaca acctaataaa gaccattca aaaacgtcaa cagagggggc gggcacaatg 360

caacaagaca cggatagaga ctaacgacaa cacaacaacg aaatagggat tgcacaccca 420

cacaacacag gggctanaa agacataata taaacaaaat aaatgacagt gaggagacag 480

ttgaaacggg agcgatcaa ttgccaccca gacgattgcc accgcaaaca accgggggac 540

aattgaagga atgataacga actaaggAAC ccatgataag aacgacacga atgaaaaga 600

aggcaatggt gataaggAAA caaattaact cgaatgaaca catacaaagt gaaataataa 660

acaagtgata acgcatagac ggtcagataa cgactgggtt attatcaagg agaaatgacc 720

tcactggata cgaaacgacg tggaaccgaa cagaacagcg agatcaatga aaccaaacgg 780

aagcacataa caacgaaatt gaccgcacag aaatgcgaaa cggaccgtct gcgatacggc 840

cgtcattgac accgagcagt catcgcaaac gaaccacatc gtatgaagca aacacagaga 900

gatatgaact ttactacacg atcacgccac gcatagtgaa cgagacggag agtctcaact 960

cggaacacac aactcactac tacgagct 988

<210> 2014

<211> 370

<212> DNA

<213> Glycine max

<400> 2014

agcttgcttc ctttgattt cggagacgtc tcttgacatc atttattgtg caaccaagga 60

cgccaagttt tctcaaagcg gccaatccaa ggttgtatat catcaaataa taatccccgg 120
acgaaattag ggtatgacag gagccaccag aaccaccta gattgtttg tctttttct 180
cttccttcct tcctactcct ttccttacc ttcttcttt tcttacctc tttgtAACAC 240
cctgaaattt catcttaaat tatttcctac atttgaaag actagatgt gtaagttcac 300
tctatgtaaa ttactttgt gaatttatga atttaattta ttgtttggat aattctaattc 360
cttgaaattt 370

<210> 2015
<211> 577
<212> DNA
<213> Glycine max

<400> 2015

tcttcagaaa cgtggcattt gtgtgcaata cacaatgctc ggttcaccac aacaaaatgg 60
tgtatcagaa aggtgtataa gaacattaat ggatatgatt aggagtatgt taatcaattt 120
gactttaatc atatcttgcgatgtatgc ctgaaaact gtcatgtatt tggtgaatag 180
gattcctagt aaggcagttc caaagacacc ttgaactgt ggacaaatag gacacctaatt 240
atgaggtacc tgcatgtttg gggttggcaa gcagaaataa ggatttataa tctgcaagaa 300
agaaaaattgg atgcaagaac aatcagtggc tatttcatta gttatccaga gaaatcaaag 360
gggtatatgt ttattgtcc taatcataat atgagaattt tcgaaaactgg aaatgcaaga 420
ttcattgaaa atggtaaat cagtggagt acagttccac gagaagtgg aattaaagaa 480
gttagagtgc aggtccttt tgcttggcc tctaacagta aggtgattgc tcttttaatt 540
ggtgttgcataatgaa gaggagcaac acattaa 577

<210> 2016
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2016

tggagacgat gcttcaatgg aggaaaagaa agagggagag ttagagagag gggggagcac 60
aaaattgaag gaagaaaaag gtagagaagt tgaacttga gttgtgtctc ataagacttt 120

cattcatcan agttacaaca agtgttacac atgcttctat ttataaaca gtagttcc 180
ttgagaagct tccttaagaa aacttccttg agaagcttct ttgagaaaac ttcccttgaga 240
tgcttagagct tagctacaca cacccatcta aaaactaagc tcacccctt gagaagcttc 300
cttgagaagc tagagcttag ctacacaccc atataaaaac taagctcacc tccttgacaa 360
aatacatgaa aatacaaaat aaaaagtccc tactacaaaa actactcaa atgccctgaa 420
atacaacgct aaaaccctat actactagaa 450

<210> 2017
<211> 331
<212> DNA
<213> Glycine max

<400> 2017

gtacatatgt tctcaacacg agaacgtttg aggtatctaa taagcatgtc tgcaagttgg 60
tcaccggagt tgacaaagtc aatgatgatt tctcctgaga gcacctttc tctcacaaag 120
tgacagtcaa tttctatttg gttagtctgc tcatggaaga tcggatttga tgcaacgtgg 180
agagcaactt gattgtcgca tagtatctt agtgtctcca aattttagtt ggtggagaaa 240
ttgcctagcc atgtaacctt ggatgcaata gctgccatag catgacactt agttcaaca 300
ctggatatacg caattgtttc tgcttcttac t 331

<210> 2018
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2018

tgcctcanag aggtccagga aggacaaggc ggccgaagga actagttccg ctccggagta 60
cgacagtcac cgcttatga gcgtgtaca ccagcagcgc ttcgaagcca tcaaggatg 120
gtcgttctc cggagcgcac gcgtccagct catggacgac gagtatactg atttcagga 180
ggaaatatgg cgccggcggt gggcaccact gttactcct atggccaagt ttgatccaga 240
aatagtcctt gaattttatg ccaatgctt gccaacagag gagggcgtgc gtgatatgag 300
atcctgngtt aggggtcagt ggatccgtt cgatgccgac gctatcatcc agtcctggg 360
atatccgatg gtgttggaaag agggccagga atgcgagttt ggcagagga ggaaccggtc 420

tgatgggttc gatgaggagg ccatcg

446

<210> 2019
<211> 136
<212> DNA
<213> Glycine max

<400> 2019

atacgcctga atcaacatcc gtgtgaaaag ttatgaccat ttgaatgttt cgaaagcttc 60
ctttgttcaa tggcgagcat atagacataa tgagagcccg aatctgacca ccgtgtgaaa 120
agttatgacc atttga 136

<210> 2020
<211> 415
<212> DNA
<213> Glycine max

<400> 2020

tagcccaaga ggcgatggac ctttcaggt ctggagagg atcaataata atgcctata 60
gttggaccc ccaagagagt atggagtcag caccacttt aatatttctg attaattcc 120
tttgcaggt ggagctgata tagaggagga ggaaccaata aatttgaggt caaatcctct 180
tcaaggggga gggatgatg caatcctccc tagaaagga ccagttacca gagccatgag 240
caagaggctc caagaggatt gggctagagt tgattaagaa ggccttatgg ttctcatgaa 300
ccttagggta gattttgag cccatggcc aaggttgggt ccactttct ttgtaaatag 360
tagaataggt tgcccccttc tttgggcct tgtattctgg ccattctagt agtat 415

<210> 2021
<211> 205
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2021

ctcacaaatg ccaagttacc tttcaaataa tggacattaa ccccccctac agctgtctgt 60
tgggtgtcc gtggatccac tcagtggag ttgtccctc tacacancca ccaaaagtga 120
aattcgtagt ggaagggcat ctggtcatcg tatcangcga ggaagacatc ttggtgagct 180

gccccatcctc tatgccttat gtgga

205

<210> 2022
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2022

ntaganactt gttntaaaga tgtaccctct tctgggtgct tcctttctta agaggaaatt 60
ggatccttgt atgactgact ctntgtcctt gccatctaca aattacaaca taagaaaagat 120
atgcaatttc tatctcgta gcaaagaagg agcattgaaa aaaaaatcta gaggagtgga 180
agaatgacat attctgcac aaatggtag gtctcaccat ggcaaaattt agccctgaaa 240
ctcattgaag cttctgaaag tgcatttgcc atggagattt ggaccatgt agttgagata 300
gcctctggag gtcatttcac tttggcaaata gataacctca ttgttagctga atagatctt 360
aaacaaaaga atatcttgg aagtccccc gccttggcaa gatgaatttt tgccatgatg 420
aanagttacc cgtagagaat tcttggtctc tat 453

<210> 2023
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2023

agcttggAAC atataaactg aatcctagtt cctcttaagg acttagtcaa aatgtctgct 60
ggctgatcat tagaattgat gaactcagtg gtaatctcct tggacaataa ttttctcga 120
atgaagtgac aatcaatctc tatgtgctt gtcctctcat gaaagactgg atttcatcca 180
atgtggaggg ctgcctgatt gtcacaaaat aacttcattt gtgttaacttc acaaaaacttc 240
aattctgaa gaagttgctt aatccacata agttcacatg tgaccaaagt catagatcgg 300
tactcagcct ctgcgctgga tcgagcaaca acagttgtt tcttgctttt ccaagagata 360
agatttcctc caatgaaaac acagtagcct gaagtagatn tcctatcaat aggacaacca 420
gcccaatctg catacaatat ccagatac 448

<210> 2024

<211> 450
<212> DNA
<213> Glycine max

<400> 2024

tcgccttgc ctttcctaa actactgtag gaatattagg gatatggacga atgggttagg 60
gtgttgggc acataaaagtt gggatgcaaa tggttagcgt ggcgggttt gggttgggac 120
gcaaagaaga ctgacggacg agaatgagta caacataaga aggggaaggg tttgggtgt 180
cttgcacga tgcaaaggac ggttaggggt gggttgggg tgtcttcgg cgatgcaaag 240
gacggtaggg ggtgggttg gagtgttgag tcttggctc taaaaggaa ttttttcat 300
gcaggaagca aatagggagg tgtggaaagt aaaatcctaa ttttatcggt attgacatat 360
acaactaaaa ttgttaagg acattgttat cactaccata attgctattg acactatgaa 420
gtcttggcag tggccatccc aacctttga 450

<210> 2025
<211> 211
<212> DNA
<213> Glycine max

<400> 2025

catgtctgca gctgcagatt caccattcc tataatctaa agtttatct aaatagctct 60
gagtaagtat tctgacaaag ggtggagtct taattaaact tgttgaagga gatatgttat 120
tgagagaaaat tgtgttaatg cgctgcatac ttgatctctt atttatgact tgattacaat 180
cgaccaatgc cataatcaag agcttaatta g 211

<210> 2026
<211> 449
<212> DNA
<213> Glycine max

<400> 2026

tatgagagtc acaggctata tttataagtt caaatatgct cttctaatgc tttcttaata 60
taaaaccatt tatgtgtctt caccttatacg ctaagcttt ttgggggtgt agttcatgag 120
atgatatcag agcctctatg accaacttgt ctagagttca attcttgctg cccacactct 180
tataaaaaaaag ttgaattact gcacaaggta ggtggacttg tgcattatcc atgctaagg 240

tcttgtgtga gggggtgttg gagatgtaat ataaaactgt ttgtatgctt tcaccaaaca 300
attnaacctt ttgggattgt tggtgataca actattttt caaacacatc cctccattgg 360
tagtttgta cttctatccc cacttcaatg tagcttcag ttgcagtgtt taatattcca 420
actatggca attaccattt ccttccta 449

<210> 2027
<211> 191
<212> DNA
<213> Glycine max

<400> 2027

agttcacca ccaagatgag cttggataa aaagcttggaa gaagatgctt caatggagga 60
aaagacagag ggagagaaag agagaggggg ggcacgaaa ttgaaggaat aaaagaggta 120
tagaagtggaa actttgaagt atgtctcaca agactctcat tcatcaaaag tacaaccaag 180
tgtacacatg c 191

<210> 2028
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2028

tgtaggatta tggcgtaacc atcacatgtg gtactatgtg gtggccgggc gatgggtgcac 60
aataagttt ccacatgcac aatgcacgca taaacccacc atcccctgtt gcccacctcc 120
aactgagctc acgtactccc acgtagctca tatccatctt tctctcaaca ccaggacccc 180
atcaaatcctc ccaagcttgc ccaacatcaa agttatacaa cattcacaca gcacaagcta 240
tcacagctaa tcaaaacagg gcaaattgcag aacactctgc ccagaacacc aaccaaaatc 300
acagctttc acatacaa at accccagana catttcttc gttccaattc gttaaccgtt 360
ggatcgactc gaaaatttta ctgcaagact ctgtactta agcctaaatt gagaccgtt 420
ggatctacta tcaaacatgc agagctcatt ctg 453

<210> 2029
<211> 401
<212> DNA
<213> Glycine max

<400> 2029

agcttgaacg tatgttaagac acatcttctt aacctttgtg attctggact ccatttcatt 60
gaagcgcata tccacttgta attccaaatc gtcaaacctc tcaccaacaa aggtttgaag 120
accatcaaac ctgtctaaaa tctgaaagga gagatgaatc ctctccatca tgtccttctt 180
caccaacatg gcgagtacct ttcttcaccc aagagccatc atgctccttt tgataaccaa 240
aagatgctat gactaaagtg cctataagga aagatctttt gattgaaaca taaggtag 300
aatcaagagg gatgttgaag tgttgaagga aaaggtaac aagatgaggg taaggcaatg 360
gaggcattcaa tcgcaatgcc ttatgcattc aatatctaac a 401

<210> 2030

<211> 445

<212> DNA

<213> Glycine max

<400> 2030

tcaacctaga ggagacggac cattccaagt gttggataat atcaacgaca atgcctacaa 60
gattgacttg cctagtgagt ataatgttaag tgccactttc aatgtgtctg atcttatctct 120
ttttgatgca gatggagggg ctttgtatTTT gaggacaaat cttttcaag aaggagggag 180
tcatgtatgac ataaccaagg gcaaggacca tgaagcactt gaaggcccga tgaccagagg 240
cagacttaaa caagccccaaac acgtcataga gacaaggctg gtcatttgta tagctaccat 300
tcatgtatgat tgaaggcccga agtggagaaa gatgaatgcc cacaggcata ggcactacca 360
agactactaa ttgttgctga acgccccaaat taaataagtt ttttagttata atttattttt 420
attgttaactt tggccccaaac tgg 445

<210> 2031

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2031

agctntaacc tcatcgcccc tcacagtctt tatatttggg agccaatcca atccttgtgt 60
tcggactctc aaccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120

tctgttcttt cttcacgccc catcccatgc ctgc当地 act ccttggagta ccctcgcggtt 180
gtggtcacta aaaccctgtg ccatgaaagg cgtgatgctt tc当地 tcaatg gc当地 ctct 240
catggggtag ccaagctgtc ttatggtag aacgggatta taattaatac aacccttgt 300
tcccatcaag ggaacatttg gacatccttc gcatgaagat agaatcctga ttcttccttc 360
cttctagcga gggAACCAAT taacagatgc cccccc当地 tagccaggag ttggcccaa 420
ttcgcctttt ctt 433

<210> 2032
<211> 450
<212> DNA
<213> Glycine max

<400> 2032

tataagaaca aaattgcctt aatcattcc aaatatgcat gt当地 attaag acgcatcaac 60
aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaatgatta 120
taatgatgga tggctcaa at tctcacaag gtaaaaccat cacttcaaa ttgagcttc 180
aaaactatca tgacatgtag agaagaatca aggattcaa gtcacaaaat gtcaagaact 240
tttatttca aaacaattac ccatttctt aacctatcct ataattcaaa gaaaaacatg 300
caaagtgc当地 cgtagcacacg aaattgaccc aaaatattaa actgaaaatc cgacgaaact 360
aacaacatta acaaattaac acaactaaca aattaacaaa accatcataa ctagcataac 420
caaagaacac tcccccccccccccataactta 450

<210> 2033
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2033

agctntaact tgagtcttca agagattata attatgtac catggcatga atttacttat 60
caatcatata atctatctt caatatcttc tttcatctt tcaacactt tcaatagatc 120
tttctgatct atttctcttc atctttctaa aagttttgt tcaaacactt tctttccaa 180
aaaaagttct ttgttcaaaa acttgtgcta ttcatatttt ttattctt ctc当地 ttgc 240
caaaagaata gaaggactaa cc当地 ctgaat tctttgtgt ctc当地 ttctg tcttacaaa 300

gattcaaagg actaaccgcc tgagaattct tttgattttt ccctccct taagcaaaag 360
atgtcaaagg actaaccgcc tgagaattct ttgtcccaac acattggagg 410

<210> 2034
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2034

ctctcttaag tcctaaatga catttcatac taggattaac tcactttaac ccccaattac 60
cactgaatcc agatttagcc ttccaactct caaagcctca ctcttttcc actcataaca 120
ccacattctc actttctaac cctaggttaa ctctaccctt catctctagc agttttccat 180
aagcaatttc agcacacaaa catcacaaggc atcatcataa aaaccctaaa acagaatggg 240
taagcttgac tcacacacaaa catgacaagt ttaacatgct ttcatcaa at ctcttcacaa 300
ataactatca taaagcataa acctagtaaa actacccatc atatctccca gccccatacc 360
cacgaaaatc atgtgagaaa gaagtctacc caacctgaaa tntcgaagtc ccacacgtag 420
agatgcgctt cacgactccg a 441

<210> 2035
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2035

taatatccaa gcactttgc tntacttgct tgcttgctc ttaattgn tttctat 60
cagtttcatg ctccatgtag gtgaatgtt ctgtttatt ttctgtggag ttttttcta 120
tttacttggt gcatggttt tcagttatgt caacacttgc attgctttc agtttcatgc 180
aaccatggca tgatttacat tgcaaaattg aaggccgtgc tgcatatgat atactcacta 240
attntgagca gcgctggaga aaagccacca aatggtctga gatgggtcg aaactcaaga 300
gagtatctaa cttgaacgat gattcttga tcaagataga acacattct tggattctta 360
gtcttcgaa ttact 375

<210> 2036
<211> 335
<212> DNA
<213> Glycine max

<400> 2036

ttttatatta tctaattggac aggcaataacc tttagcatctc ttactacttt tttatagacc 60
gtttaccaca ctatccctct tcctttctta agctctcctg gggcttacac agagtaatct 120
attactcatc gagacatgct actatcaata tctatgttt tgcacgaccc tcaatatttc 180
ttagaagcta ataattttt gactcaacaa attgcaccac atagtacaag ctcAACCGCC 240
ataggtacat gcgcacacat gcataaccca accatgttgg gccagcaatg aagtgtgtca 300
cacgatactg tgacacttca cttgtgctat taatc 335

<210> 2037
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2037

agcttanagt atgcccagt cattcatccc tatgagatgt tggtaagta ttggcgatca 60
gaattgccat tccttggatt atagggttga accaagctca tgctttaca aaaaggttca 120
tcaagtcaag ttgaaaatatg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaattt 180
agtcacatca ctgcttcgtc tactgccaaa catattnagg attgttgcatt tccttgcatt 240
ttccagtttc accttgacaa agatgtcatg gaccatgttgg aaaatctaaa ttgattcaac 300
cccatatctt gcgtaaaaat tcgcaatact tcaactgtac atcattcgca tggcatccat 360
gcttcattt gttgcattgc tcgctgcatt cttdcccttga aaaataaaaat aaaatgttca 420
taatc 425

<210> 2038
<211> 439
<212> DNA
<213> Glycine max

<400> 2038

ttcatcttagc caaggttata cagaggttgg acaagagaac ctaacgattc ctaattata 60

gggccatcaa atctatcatg tgctgacagt aattgattag cccatggatc tcctcggtgg 120
tagtacacac ttcggccatg gctttgcctt tggctaacaa acgcgggagg tcttgacttc 180
cattcaaggt caaggcgaat ctatccatcc acatagtcgc ttcttgatgc agcgcatcaa 240
tcaccctccc tctagcttct tttcggcat acacttgtgc agaatcctcc actagcttt 300
gttcatgggc catggactgg ttcaattctt cctggtattt cctatgtatgg cttagcatgct 360
ttgctccgtg gcttccacgt gttgagccaa actcctttt gaccttgcgc aagcaactaa 420
ctcttctttt aagatcatg 439

<210> 2039
<211> 253
<212> DNA
<213> Glycine max

<400> 2039

tcacatctcg tattcacgtc atactgatct tagtataat gtaatcaacc tacacagtat 60
agatgaggat gtcatgagta atgttgtaa gagttcagcg agatgatgaa aaccagaaaa 120
gtctagtgac aaatcttgtg caactatgat cagacaatgg ttcattcggtt atacaagcat 180
attatatcta gaccattttg tggatggata tacagtctac tgaactcaac atgagacctc 240
tagtttaaga ccg 253

<210> 2040
<211> 363
<212> DNA
<213> Glycine max

<400> 2040

ctctaacagc tttgaaccat atactggcc tttatataac tggctctggg cttggcgggc 60
accctcaaca aaggactttc gacaccttgg ggacgttcatg ttgaccatg gtggatggg 120
aatggtgcgaa ccatccccccaa aacacattt gatacattt gaaagggtgg gtggcatgtg 180
gccatatcga cgtccttctc tatcataaggc catcgatccat tttccctttg aaatgccatc 240
aattcattgt gctatggctg gactcaattt acgaaatttt tctaaatttt gatcaaaaatg 300
ttcttgcagg agtggaggctg ctaaaatagt tatgaataac aatttatgtat atatgaagta 360
aat 363

<210> 2041
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2041

ttatgtgana gnatggact cttcacactt tgaattgaat ttcaatgttc aaaggcactt 60
gtaatcgatt accaaaacat tgtaatcgat tacaactttt taaaattaat tgAACGTTG 120
taaattcaat ttgaaaactt tttcaaaaca atttagctac tggtaatcga ttacagcaat 180
ctggtaatcg attaccagag agtaaaaact cttggtaa catgtttga gaaaaaaatt 240
tcatacttat cttgattaag tcttctttt attcttgaga tcttaaacct tgattcttga 300
ttcttgactc taaaactttct tcttgtgtct tgaattcttc ttgattctta tcttgaactc 360
ttgaattgtt cttgattcac ttgagttgtg ctggattga tcttgatttc acttgagttg 420
ttatggatt gatctttgag ctttttgtc 449

<210> 2042
<211> 445
<212> DNA
<213> Glycine max

<400> 2042

gcttaataat cctgagctgg agtgagccat gtgatcccag tcctctgtgc cgtagtgacg 60
gctactacat aatcatcgta aatatctggc ttgctgcgc ctgaaactcc ttccctcagca 120
gcctccactg gtgtgtcctg agcctctgcc tctgcctttg ggtatccctt agcctcccc 180
acctctggag tgtcttcagc ggcctgtgtt tgtggctctt gggccacaag agcctcaccc 240
ccccaaaagg aaggctggac tccagaccaa gctacctgtg ccaagaagtc ctccatgctc 300
atgatcagcc gctgctgaga taaattctgc atactctgca tgaccaggaa aaggtcgtga 360
tgaatggctt gtagcatggg cacgataaca gcactgctat gtacgaaggg gocgggttgg 420
gctgaaatag gtgtgggagg tggag 445

<210> 2043
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2043

ntcccataga ccatctaaaa tggtgatatt ccaatggag tcttgaaggt agtcctgtaa 60
gcccataggg catcatccaa cttcacaacc aatccttcct tgaggatgca acaatattct 120
ccagaatttt ctcaattct ttgttgata cctcggcctg gccattttc tgaggatgat 180
aaggtgaaac taccttacgt ttgacattat aatgcccaat accttctaca actatctatt 240
gcagaaaatgt gaaccctatac actgattatac actctggaga ccccgaagcg ggagaaaatg 300
tttctttca ggaatttgat gacaatcttgc gcatcattct ttgaggcaac cacaacttcc 360
acccacttgg acacttaatc aacaaccacc aagatgtact cattccata agaggatgg 420
agagggccca caaaataaat accccaacag t 451

<210> 2044
<211> 370
<212> DNA
<213> Glycine max

<400> 2044

tcacaactat ctatggaga actaacttca tatattctaa ttataacatt ctacaaccat 60
ttctctttt cttctctcc cagatattct aaatgaataa ccaaataaaag gaaatcagat 120
gccgttactg gacaagtaca ctgtaaatac acatgcagac acattaaaa aatgcaacaa 180
attttggtaa tatagcaagc aacaataaa cattgtatta ttgtatcaca catctgttaa 240
tatgtatcat aattctgccc tggtccacaa tacagaaata taaccatgta gctgtatttc 300
aacagtataa acataaaaagt ttcttccccca ttgtctttc actctctttt taaaacaagc 360
agaacctata 370

<210> 2045
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2045

tgatgaggtg atattgataa agcanaccga ggggttgaa gctagaggtt aagaggatta 60
tgtttgcaaa taaaacaat cttgtatgg tttgaaacaa tcctcttaggc aatgaaataa 120

gagatttggtaatttatgg ctcataaaaa gtttcataga agtcaccatg atagctgtgt 180
ttacttcaaa ttttcttcta aagctgagtt tgtgatattg ctactatgtg ttgatgatat 240
cttgatagca agtaataaca agagtgaagt tgaaaaattt aaatgttagga ttggaaaca 300
actaggagga tattggaat agaaatcaaa caggacagaa aaaggaaattt gttatattt 360
tcttaagagt tatatatcag aaaagttctt gaaaggttt gaatgtcaaa ttccaaacct 420
gtaactactc ctatgtctta gcagtttaag ct 452

<210> 2046
<211> 367
<212> DNA
<213> Glycine max

<400> 2046
agcttacttt taaaataatag aagtagaata ttataaataa caaatatcta aattatgaaa 60
tatataaatt cacgttaagct tttccttgag taaagtaagt tatgcagcct taggtacaac 120
tgtatataag aacaaagtag ataaatgaat atacatataa ataaaaggac taaagcctaa 180
gccaaacccag accaaataca tataatagga aatgccctag acataaagta atcatctcta 240
acacccaact cagtgtaaaa attacgcaaa aacataagtc aatagggttt cgccataac 300
agagataacct aagggagtaa tccatgcctt tggcacgtc gggtatccat cacctccaag 360
tgcactc 367

<210> 2047
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2047
actcagctta tcatacggtt tagttacatg aataattaag aaattatata cattnntcgc 60
gttaattaag tggcttattt ggggctctag cccctcgta acacaaaaaa aagtgttctt 120
tcataatc ctattataaa attaacctgc ttctttttt ttttttctt cttgctgcc 180
tcactgtttt ttgctcggtc ttttaccaaa aaaaaaaaaa ggaaacttct ttaattttt 240
tttctcgta caattagtca atcattactg tgatgagttt aaaaataaaag aaaaatcgca 300

tcgcgtgcta tatttaaga tcaacgaaac gtgaaataag ttatatttat gttttaggt 360
tggaaaaaaa tgaataagca taaatgatac ttacacatca ctgaaacata aatggagtaa 420
tattnagata gaagtattt acatatgtga aacgtgaat 459

<210> 2048
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2048

aatggagaga aagagagata ggggagcacg aaattgaagg aagaaaaagg gagagaagtt 60
gaacttgag ttgtgtctca caagactctc attcatcaa ggtacaacaa gtgttacaca 120
tgcttnatt tataacttg ggagcttcct tgagaagctt tcctaagaaa aattccttga 180
gaagcttctt tgagaaaact ttcttgagaa gctagagctt agctacacac accccactca 240
taactaagct caccccttg agaagctctc ttaagaagat tcctaaagat gctagagctt 300
agctacacac acctctctat agctaagctc acctccttga gatgagaagc tagagc 356

<210> 2049
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2049

tatgctgcan atattnacaa tagacctcct caacctcagc agcaaaatca accacagcag 60
agcaattatg acctctccag caacagatac aatcctggat ggaggaatca ccctaaccctc 120
agatggtcca gccctcagca acaacaacag cagcctgctc cttccttcca aatgctgct 180
ggcccaagca gaccatacat tcctccacca atccagcaac agcaacaacc ccagaaacag 240
ccaacagttg aggcccctcc acaaccttcc ctcgaagaac ttgtgaggca aatgactatg 300
cagaacatgc agttcagca agagaccaga gcctccattc agagcttaac caatcagatg 360
ggacaattgg ctacccaatt gaatcaacaa cagtcggaga attctgacaa gctgccttct 420
caagctgtcc aaaatcccaa aaatgtcagt 450

<210> 2050

<211> 304
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2050

ctctgggat ctctctctaa tataaccaac agtgcaaagt gtatcaattt tcagaatttt 60
ttttgggtct tgttagctgc tgctactatt ggtaattaat aaatgaaaat gaaaacgaaa 120
gtgattacac cacgatttgg gtgataatgg tgcccaccgt cgcgatccta atcacatttc 180
tcgttgcca ttactggtct tattatatat atgattggat atccttctt tctttatttc 240
ttgatcattn ttaatccagc ttttggagt gtatgctact ctngttggca taacatggc 300
tcga 304

<210> 2051
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2051

tcttctattt atagccttca actntaagta tttgttgtcc ctcagcggat ggttcttcac 60
tatattcttc attaaagtct tgaagctctt ggagcattt aatgcattgtct cttcttcatg 120
caaagtctat gctaatacgct aggttgacat gtcttataact tcaacaagaa agtcacttct 180
tccatcagag caggtatgca ccagcaaagt gcgtcttcg atgaagatca acactttcaa 240
actatggact ttatatttata ttcataggat ttaatagatt cttaggagaat gtttccgca 300
acaagaatc tcatacataa aatattaaat gtaggtatta attaaatgca ctacttaatg 360
ttatgacaag atcatcttat attgatgtaa catcagaaaa ctcacanaccca gaaatacaaa 420
ccataatctg ataacacatc anacacaatt t 451

<210> 2052
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2052

gcgttctata attattaaga agactatgct actatacaag tgtttaggca tcttggaaatt 60

aaatcatgta agttgcctga agcaacttgc tgagcaaaga tttataggct tcatttaatc 120
atgacacaga ataagctggc caagaaagaa ttgcattctt agcagcttca accagtaggt 180
ttcgggtttt ttgtttttt tttgggttg gccaaacata ctttgggtga aataaaaatag 240
aataacanat ttataaattt gcccggaaat ttctgacttg gttgttgtgt tacaagttaa 300
tcgacaccta caggaatcaa ttccatgggt ttaatcanna ccagtgtac tacgaaaact 360
tcagtaactg at 372

<210> 2053
<211> 411
<212> DNA
<213> Glycine max

<400> 2053

gttgcttcgt ttattctgtt agcggttcca agcggttgag ataagaagag attgttagcct 60
ccattgtact gtcaacgtgc gaggctgatt tctctctaca ggaacattat ttgcggaaatc 120
tcaatggtga gactatgctg aaatgacata caaagggtggt ctccaaatgt cgtgatgatc 180
caacaattaa tgagttgggg atcatagttt tactcgacca tggtttgggtg tatgcgggaa 240
aagagaaaagc tcagtgtaag ggacatttct ttaccagag acattatctc aaaactccca 300
acgggtgtgtg tgcggaaaa taatgtttga aactcggttt caaatttcac gacaatccaa 360
cggttaacaa gtatgagatc attcgcttat tgagataggt ttgagtgat a 411

<210> 2054
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2054

atgaggcctt gtagaccggg naccttaagt cacctgagca tgcagctata cactgtattc 60
catccancga tcttggaaaga gaaaaccaac caccacaagg ggttgaacctt ggcgggagac 120
ttngttggct aattggtaaa cacaaacaca cattggcct aaaaaaatat tgcataatg 180
tgggttaatg ccaattggag gtcccaacat tgggtggtaa ataaacactc ttcaaaaaca 240
acaattattc cttccctccca aagaaatgag aatcatcaag aggcaactgtt gaaaaatact 300

actaaatact ataaataagt tatattttat aatttcatt ctataaaaaa tattgtgtca 360
tcttatattc ttggaagttg gattttagat tttgacctt gaatatttat ttatTTAAT 420
cctataaatt aagaattctg atttagtgat gaaactaaa 459

<210> 2055
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2055

agctnggcat ggTTTTAAT agctntanaa gcgttacttt tagaagatAT gaataaAGTC 60
caggtatATC tagAGTAGTC atctacaATA accGAAGCAT aataATTCC tctaataCTT 120
atgggtctAG aagaACCAAA aAGATCTAA cgtAAAAGTT caAGCACTCT cgAGGTAGAA 180
actgcattt tagATTGAA agataCTCA tttgtttcc ctTTGACAT gcattACATA 240
atccatCCTT ttgaaATTTT agctttggA gacCTTAAC taattCCTTA tagACTAGCT 300
tatTTAGTTG atccatGAGG atATGAGTta ttctcCTATG ccaaAGCCAA gagAGATCAT 360
cattacttCT taaACAAGCC atgtngaAGT gagatGCAT ttctacatta agcatata 418

<210> 2056
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2056

nggattgatt tagcctaact agggatcgag gttagttat ttatgcaaca acatagaaca 60
caaAGCATAA ttgattAGAG aaACATCTT atatacatca acttGTTGT tagAAAGACC 120
caacactttt acctactgct tgcattttac tgTTTTAGC ctagacttag ttAAATTTG 180
ttctaaACCA tcaattatca atgtttCTTT caacaATGCC ttATTTGA atttaACCCt 240
gtttaaACT AGTCCCTGA gttcgataCT tggattCATC CGTTTAATT ttaAAATACTT 300
gacgatCCGG tgtgCTTCC ggcgaatCGG attCCCTTG AACATATTG tataAAAGATT 360
ggaccaAAAAA gtaactacAG gggAAATCCA acaaccatCT agtcattCT ctgcttCTGA 420
tgaggaacat aatgacaAAAT cattcaacAAc C 451

<210> 2057
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2057

actcaaagtt tttaaaagac atgttgacaa ggaaggcacaa gtacattcac caggaaaata 60
tatntgtgga gggtaattgc agtgctatga ttcanaaaat tcttccacca aagcacaaag 120
actctggag tttgaccatt ctttgctgaa taagtgaagg tacagtggga aaagttctca 180
ttgacttggg agccagttatc aatctgtatgc cactctccat gtgcagaaga ctgggagaag 240
tgaaaatcat gcccaactaga atgactttac agttggttga ccactccatt accagaccat 300
atggagtaat tgaagatggt ttgtcagagt aaaacatttt attcttccag cagactttg 360
tgtaatggat acctatgaag atatgacatt ccctaattt gag 403

<210> 2058
<211> 233
<212> DNA
<213> Glycine max

<400> 2058

tagaaaggaa gcttcaatgg tggaagtgaa tgagagagag agagaggagg gcgtggaaat 60
tgaaggagat tatggagata agttgaacct tgaagtgtgt ctcataaatt tctcattcat 120
caaatttatg acaagtgtta cacatgttt tatttaaagc ctagcacatg ggaagctccc 180
ttgggaagca agaaaggtag cttccttgaa aagctagagg ggggctactc aca 233

<210> 2059
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2059

ctcttggttc ttgattcaca actcttgttt tttgcactt ggttggcatt gttcttaat 60
ccttgatgtc cgatttatag gtagataaaa gctcgtaatt atggagagta tcttcaagat 120
tgaataatat ggtcaatgtg tagattgatc ttatccctt gaataagtgg atcctacatg 180

tttttgtctg atatgattag aactttccat anttgcatt cataactcaa tatgaccatt 240
agacttataa aaggaaatat aagatttatt cgcatatcg ctcccttaa acaaaatcat 300
atanactgat aaatcaaata aaatgcatac tcaaaaatgtt gtttggatgg actggacgag 360
tact 364

<210> 2060
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2060

ntgtatccta gggagggat tcgagctaaa tgctgatggc cagcccttan agatattaag 60
gaagaacatg accactttag ctaagacatg gagtgccctt tccttcctta atttgattcc 120
tacctcccac acatctgatg tcacatggc tagagccaa taaatctatg gcattattat 180
gaagatggat atgaatgtgg ggtaccta atccccaccag atctttctaa caacatagca 240
tgattcatcc agagttggat tccctgcctt gatcatagct ctatgcaagg ccagaggagt 300
ccaatcatat tcttagatccc tggagagcct gagccctgcc attaacttgg catatattaa 360
gaagaactgt tggaatctag atgatccaac agtgacattt a 401

<210> 2061
<211> 331
<212> DNA
<213> Glycine max

<400> 2061

gagaatactc gccagtgcct agacgctgaa tgtcaaaatg tgacctggc tgtcttccag 60
agggtatctt tggagaaata ttccctgag gatgttagga ataagaaaga gatggagttc 120
ttggagctca aggaggaaaa catgattgtg gctgaatacg cagccatgtt cgagaaatgt 180
gtgaggtact ttccccatta tcaaggtaga gatggcgaaa gttccaaatg tgtgaaatgtt 240
ctgaacagtt cgtgacttga agtgaagcaa gcagtgaatt accaaggtgg tcgtcagtt 300
ccactcttgg ttaacatgtg tccgattttgg g 331

<210> 2062
<211> 441

<212> DNA
<213> Glycine max

<400> 2062

atataagcgc ggctctggga gacaaaggc aagcggtcgat gatatgctgat gatgatattc 60
cgagcacttt ggatttggta cgaccatgcc ctccctgattt ccagctggga aattggcgag 120
tgaggaacg ctccgacatt tacgcgacga gcataatgta aaccttacg gttttaaaag 180
ctctatagtt gggcctacgc ttttagagctt ttccctttgt taaggctatg agtctttgt 240
ttttaatct ataatacaag gatctctt catctgatcc tggactctac ccattctcat 300
tcatttgcattt gtttacttgt ttatctgaaa cggcagatac gatgacgagt cccccgaagg 360
tactaatacc tgggaccgc cttatcgactt cgagcaagag atgaatcaaa cggaagatga 420
aggaaatgag gatgttaggac t 441

<210> 2063
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2063

cttgcatttta aatctttctg actttgtaac cgnccattgca tgtcttatgc ttgcattcgaa 60
aaaccttata gaaagagact ttgcgaatgt tatccttca tgaaatgcgt gttatttcg 120
taacctacac tgaaccctgg acacattggc gtggtcggaa ttcccaaatg atgttcctt 180
ggaaaacctg aaatgctccc atctcttca tgaagagatg tgggtgtttg acccacagca 240
ctgttacttag cttgttttg tgaaatccat actaagtctc cttcattttg gcatggtaga 300
ggcttgcgtg g 311

<210> 2064
<211> 462
<212> DNA
<213> Glycine max

<400> 2064

actaagcttc ttatccaggc acattcttgg tggtaaaact ctttcttcca tggcttattc 60
ccttgcgttggat ggagcctccc ctctccctttt cttcccttgc ttccgctgca tctccatgg 120

ggaaaatcac cattgaagct caaagatcca gcctccatag aagttcaca tgcaagcttc 180
catcagagtt agtgcactc gatgtcaaaa caaccttct ccatggaaga ttggaggaag 240
acatttgat gcaacaacct gaaggtttg aaatggaagg gaagaaaaat tatgtatgt 300
ggttggaaag gtttatata ggttggaaac aatctccaag gaagtggac cagagattcg 360
atgagttcat tattactcat gggtacaaca gaagtgccta tgattcatgt atctattata 420
gtaagggtggg ggttgttt cgcatctagg tgctactcta tg 462

<210> 2065
<211> 359
<212> DNA
<213> Glycine max

<400> 2065

ctcatctctt cttgggtga gctttgtca aatggagaaa aaagaacttc aatttggttt 60
ttaaagagac atgatgatga gggtaaagg ttaaggtgac aagcttaatt gaccacctga 120
atgacttata accagcccat gggtaacgtg cccagccatg caattttagt gcattatgcc 180
ttttgaaaat ttaagccaaa atggctaaag taggtttaaa ccaaaaaatg gaaattctg 240
cttttgctaa aactagtaaa ccctatccta atcccctaga tggacgtgtt accctttctt 300
ggattaagcg taatcaaagt ggacgttgca caaagttcac tctcacagaa actaaatac 359

<210> 2066
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2066

tccttgagaa gctagagctt atctacacac acccatctaa taactaagct caccccttg 60
agaagctttc ttgagaagct agagcttagc tacacacccc tataatagct aagctcaccc 120
ccatgacaaa gaaacatgat aataaaaaaa aaatcctact acaaagacta ctcaaatgc 180
cctgaaatac aaggctaaaa ccctatacta cttagatggc caaaatacaa ggcccaaat 240
aagaaaaacaa cctattctac tatttacaaa gaagagtggc cccaaccccttgc gcccattggc 300
tcaaaaaatct accctaaagg ttatgagaac cctaaggcct tctttatcaa ctctagcccc 360
atccctttgg agcccttgc tcatggctct ggtaactggc ccttccttag ggaggattgc 420

atcactntat aacagaacgt ccccccaca

448

<210> 2067
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2067

gtcgcttcac ccaaatacgta tcttcaagtt caccaanagcc aataactgttg acaacaccc 60
gaaacacctgtg cacctaggat acaaaggcaa ctggaaatca ttttcttagtt tgtcataaaaa 120
aagggcattgt gctcgactaa atccctcttg gcctagatcg tgaatcattt cttctataaca 180
atttcccatgt tctacatcca cagtctgagt gtcagcaact gatggggct gttctggaaa 240
ttccccatgc catatccatt tagtgtaagt ttatgatc ccgtgacata taagatgtga 300
tcttatctca cttataggct gatgtctccc attgcacat ttgacacacg gacagaaata 360
tttttcccac acagatgaaa cattgagttc agtaaatgg gaggaattgt tcaanctcca 420
ttctcatact cctcactaat g 441

<210> 2068
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2068

tctgggggac atcttgactt gctttcaat ctgacattct ccacagattc tgccttc 60
tattntcaga ttggaaatgc ctctaacagc acctttgtca atgattttct tcattgcctct 120
taagtgcaga tgcataatc tttgatgcca tattctgact tcattttctt tggaggatag 180
acatgtggag gagtaactgg tttcttgagg tgcctatagg taacagttgt cctttgtatct 240
gctgcccttc attagaactt cactttctc atttgcacc aagcattctg actttgtgaa 300
gtttacattt aatccttcat cacacagctg actgatgctg atcaagtttgc cagtcagtcc 360
cttcaccaggc agtactttgtt ccagactagg aagtccatca tggacttagct ttccattcc 420
agtgatcttt cctttagagc catctccaaa tgtcaca 457

<210>	2069	
<211>	542	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	2069	
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naaccncacn acgnntttg acccttgatt tgcnancffc ntgnaccggg atccatanag		120
acgacacctgan gcatgcaagc ttctcaggaa gtgcctaattt attatagggn cgccgaacta		180
aactctaact tctcaaagaa gatttctcaa aaaaacctct caaggaagct acctaattcta		240
taataaaaca gtgaacactt gtgaactttg agaagaaatc tggAACACAC tcaaggtaac		300
ttctctccct ttttcttcct tcaatttccg gctccccctc tcttttctc tccctcttc		360
ttttcctcca ttgaaacatc ctcttcaagc ttcttatcca aggctcatct tggggtaaa		420
gctccttctt ccatgactta ttcccttaatc gatggcgct cttcacctt ttccctttgt		480
tttcgctgca ttccatggtg gaaatcccataaaggaccca ttgagctaaa aaccagctca		540
tg		542
<210>	2070	
<211>	451	
<212>	DNA	
<213>	Glycine max	
<400>	2070	
taccctcaag aacagtacgt tgttagggcac gtcaacactc ataagggcac gatgacccta		60
ggttgcggtg gtgcgaacaa cacatgatgc ggaggtagcg gagggcgtga caatgtatgc		120
ttcctttgc ggagctcacg gtggcgcaag ggagatttag ggcaatagga gacatcggt		180
aatagcacaa ttcaaaaca gtgatttcga ggtacgcgtg ttcaattaac gcacaaaagg		240
gaggatatat gaaagcatgt taacgacggt gtgttgtaa acccgcttt gatactcaat		300
atttctacga tgggtttac aaatacaccg tcttaataa gctccggcct aacctacaaa		360
gacagtgtta gcacaaaacg tcgttgtaga catcatgtgt cgtgcacatg cccagtaaaa		420
atgtcatata ttacgtaaa tgccactgat c		451
<210>	2071	

<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2071

ttattcgntg accacagagt ggtacctgga gatatgtcgc ggggtcagg agaccttggg 60
gacgtcaggt ggggtgctat tgccccaaaa caagcttgac caatccgac ccaaccggg 120
catagtcagt cagtgagaac ctgtgatgta cctaagcagg cgagctcctg acagtcaata 180
gataaaaaga actaagacca caaagcaagg aggcttgtt ggtggctggc caactgtgaa 240
ctttgattga tataatggat atggcctctg gtaatcgatt accaagggtg ggtaatcgat 300
ta 302

<210> 2072
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2072

acggacccctt aaactaagct tgaatcgata cacaaggctt gtaatcaatt accagatgtt 60
ttaaacacattt tataacaacc ttctgaaatt tgaatttaaa ttttaaagac ctgtaatcga 120
ttacaacttg tgtgtaatcg attaccagac atgaaaattc aaatttcaaa tctaaagagt 180
tacaactctt cagaatctaa ctgtgtaatc aattacaata gttatgtaat cgattaccag 240
taaggaattt ttgaaaataa ctcccaagag tcacaattat tcaaaacgtt ntggatgg 300
tcatcaaagg cctataaataa ggtgacttgn ggtacaaaat tccttagatt ttcctgaac 360
aaattttctt atcctctcaa taccaaattt tcttataagt ctaaaaaaag aattctttgg 420
ccaaaacact tgcaaattca gtaaggaatc ttgagtgatg ttcaat 466

<210> 2073
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2073

ttgtggataa ctgggtggng ggttaaagaga aggtttgtat tggctgagta atgacattgg 60

tgggttgtg ggtggccgt ataagaatgg taatcacaag atgggttct tcctttct 120
taccctttc atttggccca gtcttctcaa tcggcctagg aggatgatca aatttgccctc 180
tttcggacc cacatcgatc ctttcaactgg cgaagaccaa atccgaaag ctntgagggt 240
gtgcagccca ccatctttc atagtagagt atcgataatg tgtctaccat cacgattatc 300
gtctcccttc catcattngn gatacacccct gngccgcaga tcccttacc tttgggcgt 360
gttcttgaa agatccgncc ccttttgca catgtttga tg 402

<210> 2074
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2074

tcctcttagt agtgcatacg tcttcanaa atttagcata tcttggatt tgctttattg 60
catccagtag aggtatgttt acctctactc ttctaaatgt ttccaagatc tccttctccg 120
cctcttccat tttcttggttt gaaattgctc ttgggtggaa tggaagaggg atatgctact 180
actgttaagtc agaattacca gtagaagatt cacctgcata gaaattgtta ggcaacttac 240
tctttaaatt tttgtcatca tcttttctg gagttgagtg acgttggca ggttcatttg 300
cagatgagga agatgctact agttgaggc ctgatactg tttcccaac ctcaatgtaa 360
ttgcactcac attcttggga ttctgtacag attgagaagg taatctgtca gaattctggg 420
actggtttg atttaactat gta 443

<210> 2075
<211> 596
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2075

atcctctctc tgcaacgag cagttctacn attcgctctt ccnnatcac tcattattn 60
tatcgnaagc ccaattnac tatgactcac acntattcga agccgtatga tttgaaacca 120
tcttgacccg ttagtcttta gtcgactgca gcatgaagct tggcttcatn cattctataa 180
gcttatttga accatttaca tgaatattgg tcattatata tcataaggaa tattacttat 240

gagtttaacta acaaagagat tgtgttaattc acatttactt aacatcatca cgcaacttgt 300
agtatacgata tgtttcaaca ctttgcacc tgatattatt tcagctacat ctgcattgtat 360
aatgaaaaac gatgcttgta cattangaaat acccaatttt gtctcattcc acgacaactc 420
aacaagcttt agtaaacatc aaacacgttc ttaatcaatt ctcccaatgg atcaactcta 480
agtactatat ttgaccttcc aaaagctcca ctcggtcttg gcacacaata tgtgaattct 540
atttgggtaa tcgacaataa caattaggct atatttatga tacaatttta acactn 596

<210> 2076
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2076

tcacggaaact atgaaaactca gctatgactc ttggcaattt cttaaaact agtcacttaa 60
aattttgtga ctttgaaaa aatcttcaga aacaagtcac ttgaagaatt gtgacttttg 120
gaaatgtatt tttcgaaatc agtcactggt aatcaattac cattaagggtg taatcgatta 180
cacatcaaca gatgtgactt ttcattntga atttgaaaa ttaaaacggtt tagaagctct 240
ggttaatcgat tacaagtgtt gcgttaattga ttacacaagt ttaaaatgat ttaaaactgt 300
taaacacaag ttgtaactct tgaaatttga aatcttaacg tttaaaaca ctggtaattt 360
attactacct tctgctaattc gattaccaga gtgtaaaact cttggtaat gatnttgtga 420
aaactntntg tgctactcaa tattntgaaa aactttctta gtacttatgt tg 472

<210> 2077
<211> 437
<212> DNA
<213> Glycine max

<400> 2077

agcttatgcg catatttct tacgaacggt tacttgacag agacatccta tcaactaaga 60
aaaatgcacc catatacaat caaggttagct tcattaccta gattatttac atgtacttgc 120
aagggttatt tgttatttac atcacacacg cttcccttggc tgaatttaca tacatgcata 180
ctcaaaggcat tttggggtaac caaaaactgc acatgcgcctc atcttggat ttctaatacc 240

cctacatata caaacttcac gatgaatctt gactacctac acaataaggt gctacatttc 300
atgcttttt tcaagttttt gctacctaaa gccacatgca aattcaagca tatatttctt 360
tgctgactaa aaactgattc aaaatagaac ggattatatt ttttctaata tgtttcctc 420
acataacatg caacata 437

<210> 2078
<211> 428
<212> DNA
<213> Glycine max

<400> 2078

ggatcaatac aattatctaa tcattccaat ccactcttat atacaattgc tcattcaaat 60
cattctcaaa cactcatttc ataccaaaca atccactgca tatcatttcc aatcaattca 120
ctgttcaaac acactttgg tacaagcaaa taactcaaag tgctgaaatt taaataactg 180
aaatttaaag aactgaaaat gttcatgctt tgcatgctt aaactaaaca caatttaaac 240
atgctgctca tcctgtggct gatcttcatt aagatccagt gttggcactg ctgtatgatc 300
ctggataggc tgctctggct ccgtgactgg ttagctggc tgggtctcct cgggaacagg 360
tgcaagagat ggcttaggta tctaatttat ggaagtcccc tcctttgat ccatgtgtgc 420
atatgcat 428

<210> 2079
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2079

ctgcagctt ttctttgata attgtgcata acgtctgtga attatttatt atgaaattgg 60
tgagtggtgg tacatcttga ctcgagtgat tgattcatgt gtaatgtat tggtgattga 120
aaaatgatat ttaaatgata tagtagtgag gtgacatgga ttgttattaag tcgagctatg 180
ttataaat tactataacg cattttctt atatcttgc ttatctataa ttatatttaag 240
aatttgataa ctactccct atgtattgtt tgggtttggta ttctatgatg atcttgaacc 300
ttgtatgtt gggagaagat gattangtgg atgacttcta agaatctgt gctagaggac 360
gctgagacac tatgctctaa taggatgtga cattggggca ttgggttttg tttaatcgc 420

atg

423

<210> 2080
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2080

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tacatttcatc aggaaaacat cagagtggaa ggaaattgca gtgctgtat ccagaagatc 120
cttccaccca agcataaaga tcctaggagt gtaacgattc cttgttcaat tggagaagtc 180
aatgtggaa aagctttat tgacctgcga gccagtatca atttgatgcc attctccatg 240
tgcggaagat tggagagtt ggaataatg cccactcgaa tgactntaca attagctgac 300
cgctccatta ccaggccata tagagtaatt gaagatgtn tggcagagt aaaacattt 360
aacttcccgg cagacttgtt ggtaatggat atctctgaag atactgacac ccctgtatta 420
ttgggaaggc tattcatgtt gac 443

<210> 2081
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2081

agcttaanan aacaagaaat gaattgaaag tctcgattc aaaaacttac ccgttgaaga 60
acgaagaacg gatgaagaac ggtgaagaac ggacgaaaac cttcacggac ttgcttacgg 120
aaacatctcg gaagcgttac ggaagcacct cggttggat tttttcacg gaaacaattt 180
ttttcaccca aaacagctga aatacatagc cagggccctg aggcatttca agaacagccc 240
ctttcagcct ataaaagcaa tctagttca aaaaaacatt ctggaaaggcc caatccaaa 300
tttcgaaatt gctatttgca ccccccaat tttgataagt tcacccctt ctttcgtaat 360
ttacggaaa gttacggaa cttacggaa gcatatagga cttgattttt ttctntttt 420
ctct 424

<210>	2082	
<211>	361	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	2082	
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acctggagat atgtcgcggn ggtcacgaga ccttggggac gtcaggtgg gtgctattgc		120
ccaaaaccaa gcttgaccaa tcccaccca acccgggcat agtcggtcag tgagaacctg		180
tcatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca		240
aagcacggag gcttgtggtg gctggccagc tgtgaatttt gtgtaatatg tggattgtgg		300
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g		361
<210>	2083	
<211>	493	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
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ggtagagtg tgacttaac tattatggc cgactaactg tgaagaataa tctttggctt		120
catctctgga tttaaaatg gagtggttaa atgaggacat gatgaaggc atgattatgc		180
ctacaccagc cttttgaca aaaaagttac cttaattat aattggattc tttgcaccct		240
tttatgagct ttcaaaatgg aaccctgaac ttacatgatt atctccagaa accttgctt		300
gattcttagga gagcatatgg ttcaaggcaa attacccaa aatttgggggg agtggagtt		360
attggatgt aaagaaaaag ggtaaagcat catcacacac acaatannat aaatggtg		420
ttaaaaaaaaa caatgaaagg gaaggtggc tgatataata agggtcaaag caaatgaaag		480
tgaaaaagcta gtg		493
<210>	2084	
<211>	365	
<212>	DNA	
<213>	Glycine max	

<400> 2084

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caatcctatt acgcaacgtg gcggacaaaa gtggcattt aacttgaatg gtcattattg 120
tcaatgcgga aggtattctg cgcttcacta tccatgttta cacattattg cagctcgtgg 180
ttatgtgagc atgaactact accaatatat acatgttcgc tacacaaatg aacacatttt 240
ttaagcttc tatcgaccaa tgaggctct ctttaggaatg aagccgctat tactcctcct 300
aatgacgcat ggacacttat ccctgactca actataattc ttgcgaaagg tgtgccaaat 360
caaca 365

<210> 2085

<211> 450

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2085

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atacattgct tgcttgaatc ttgatttcag gacttatatt gtcatcatca aaaaggggaa 120
gattgtagaa gcaaatgcct ttgggtttt gatgatgatc atgatgagtt gatgcaaatg 180
atgcaaatgg gctttcaag tttaaattca agacaatgtat cagaatgc aagccacaac 240
atcaagatga tcactattat tttaggaagg gaattcctaa ttgatatacg aaaaggttt 300
gccaagtaat ttaagttaaa aaagtgtttt ttcaaaagat ttactctctg gtaatcgact 360
accagaggat gtaatcgatt accagtgcc aaaaacgctt tacaacagct actaaatatt 420
tgaattcaaa cttagactg tgtaatcgat 450

<210> 2086

<211> 180

<212> DNA

<213> Glycine max

<400> 2086

aatgaagtga aatccaacat ctatatgctt ggttctatca tcatgttgc gatccctggc 60
catgtatata acactaaggc tatcacagta gatattaaca tactcttgc taataccgag 120

atcatttatac agacctctta gccaaattcc ttcccttggc agcttcagta agagtcata 180

<210> 2087

<211> 455

<212> DNA

<213> Glycine max

<400> 2087

ggatccatca tacaattgtt aattgtatca ggtatttaat gcctacaaaa atggtgagtt 60

gcaatgaagt tgtaattgca agttgagaga cagactaagt aacagcgagt tagtgatata 120

caaattgctaa tataatcaatt atggtcaata attcgtctt agtccttaa aagtgaaaat 180

actataatat agtagatgta tcttgggtgc cttttttttt atacaaatca aacaaatcct 240

aattgtctta ttcttactgg tttcttaact ttattnnntt ttgtgggtgc attcagagag 300

gaattctata agttgttagtt gccgactttg ggtgacatca aggaaagggt aagatttaag 360

ctaggattgc ctatttttag cattattaa cttttttatg cacttaagt atattccttg 420

ttaattcca ctttaagttg gcaccaagta aactg 455

<210> 2088

<211> 343

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2088

attcaattaa gaaagagaaa tccccaaagag aaacgttcca ttggttttt gggttatttt 60

actaaaagaa attttttgcatttttattttt atattttacc tcttttttgtt ttccaacgtg 120

gttaccgcattt gaccgaacga ttggatttca tttaacaga aattaacgga tattacaatt 180

caaattgatca gtgaaatttt atttttttt ttgatttgc gaaaaacgg cttaaacgtt 240

cagttaaagc ttcttcaaaa cgaaagaaaa gaaatcaaaa ttgaacgaaa taatggaa 300

agcccagaaa caataaataa attaaaatgc tcagatttgg aac 343

<210> 2089

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400>	2089	
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ggtaactggt aatcgattac atcctctggt aatcaatcag agagaaaata tcataat	180	
gaaatctcaa aaagcttttg taaaatatcc tttagccaaa tctgtgcaac atcaattaag	240	
aatctttct aagatcctag gaactaagta cattgttctt cttgaattta tgattcttg	300	
acttgaatcg cactcatctt tagcatcatt gaaacttcac atcatatatg ctctacaat	360	
ctccccctt ntgatgatga caataatcta aaatcaagat aaacgatata caatttgata	420	
atgcgtgctc acaacc	436	
<210>	2090	
<211>	422	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	2090	
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gtcgcttagc ggatgaacta aagcaatgcg cttagtgaga tgaagcagtgc cacttagcga	180	
acctgtacaa ctcatcttct tccagagtct tcctcgcgct tagcccatga gtgttgcgt	240	
tagcgaaagc tcactaagcc agcagattgg ctaagcaaga aggtaaaaaa caacacttt	300	
caaagcttgc ctaattaacc tgaaagtgg agaaaataat tattaaacac aaaaaatgga	360	
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at	422	
<210>	2091	
<211>	469	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	2091	
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attcctactc gagtgcagaa cagttggaga gtatgcattt actataggag gctgaaccag 180
gttaccaaaa aggaccattt ttcaactgccca ttcatggacc agatgcttga acgcctggca 240
agtaaatctc actactgttt ccttgatggt ttttctgggt atatgaaaat cactattgct 300
cctgaggatc aggaaaagac cacattcacc tacccttgg acactttagc ttataggagg 360
atgccttcg gcctgtcaa tgcccctggt accttccagc ggagcatgtat tagtatttt 420
agtgattntt tagaannatg catagaggtg tttatggatg atttcactg 469

<210> 2092
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2092

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gttggaaattc aatttgaaaaa cttttcaaa acaattttgc tactggtaat cgatcacaac 120
aatccgtaa tcgattacca gaagagaaaa actctctggt aaaagggttt gtcaaaaact 180
catgtgctat tcaaaagttt tgaaaaactt ttaataactt atcttgattt agtcttctct 240
tcattcttga atcttgatcc tcattcttga catctngaac cctgaatctt gantcttgac 300
tttagacttt ctcttgagt cttaattct tcttgattct tatcttgaac tcttgaat 358

<210> 2093
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2093

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tatggcttgc ctctcaacta tacgccaccc aatgtggcgt acactccaa tgagaatgtc 120
aataacttca ctccatatacc cattgagagc caacaacccc aaactgatca tgcacatgtc 180
tcttaaaccg tagggagac acatgaaatt ccccaccaca atctagccga ctgcgagcct 240
tgcctcgat atgccactga agggcaagca gttgggtgta tacccttaca aaaccctttg 300

gagggccctc	agtatcaccc	ccagctacac	ctcttcatt	ccacaacaag	taaaaaccct	360
cgtgctatga	cagaaatggg	aaagttggat	catcttaggg	aaaggctcan	ggccattgaa	420
ggaggtgaag	attatgcctt	tgctaacct				449
<210>	2094					
<211>	405					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	2094					
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ggaaggcaaa	ggagaagaga	agaggggagg	caccatccac	aagggaataa	accatggaag	120
aaggagcttc	accaccaaga	atgtgcctta	gataaaaagc	ttgaagagga	tgcttaatg	180
gaggaaaaga	aagagagaag	gggggagcac	ggaattgaag	gaataaaaga	gggagagaag	240
tggaactttg	aagtgtgtct	cataagactt	ttattcatca	aagttacaac	aagtgttaca	300
catgcttcta	tttataagact	agtagattc	ctgagaagc	ttctttgaga	aaacttcctt	360
gagaagctag	agcttagcta	ctcatatccc	tctcataact	aagct		405
<210>	2095					
<211>	467					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
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tctgattcct	tctctggctt	gttgttggc	acaataggat	gccttcttct	gatggttgct	120
tttgttaagg	acatagactt	tcagagttc	tttgcctaag	ggtgtgtat	gcttcacatt	180
tccattgcag	tgtggagatt	cttcttgag	aggaagctt	gggatcttgc	acatgagtgg	240
ccttaggcatt	ctgttgggaa	cattgcattt	gccatttcat	gggtctttt	tcttgttac	300
acatggagag	agtaatatga	ttagttatt	tatthaataa	ctttgttaatg	ttttggtgct	360
tgtggttgtt	gaaacaacat	ggccanattt	ggccttgtt	atgctcagat	tcttgacata	420
aatggagaac	cattatatga	gttctgttct	tcttcaaaga	gagaatg		467

<210> 2096
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2096

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gccatccccgc cattaccact tgcgggatcc attgaaaaaaaaa cagaccccca atggtaaaat 120
cgaccctgaa tggtaaatag tttttaaaac taaccccta cagtaaattt ggcttggtca 180
agtcgcaaat tcttaggtct gagagaaacc ccaattttc tcggggagtt ggcaccagcc 240
aagcaaaaac tgggtggcgc ataggctct ctaanaacac attactattt gttcctacta 300
aattactctt gacctttacc ggtcaataat aattatcaaa ctacacttct tcaccttacc 360
caaaatactc cctcaatttc tgcccttt tcattcatc attctctctc cctaattctct 420
t 421

<210> 2097
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2097

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ttaaaagaca agatagctt gtaatggaaat ttcatatcct tagccatga ttattttggaa 120
atactttact gtaatctaag ttgttgatac attacgttgg tttggatct tggatctttttt 180
tcatttaggc tctatgattt gcacaatact ggctttatag agcgccctga ggttaagatgg 240
tgattntcct ttctaccttc ttcatattacc accagaccaa cttataatt gttagttgtt 300
gaagtgccta ttgttacaaa tacaataca ataagtgcata acctacacgt acgttagagat 360
agggcttga tgtgatggga tgatctcatt ntggctcggt gtatttttt catggcatct 420
atcttcagtg gttgtgcact ccta 444

<210> 2098
<211> 415
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 2098

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gaaccagcga tggggcganc gcaccccnnc ncccncctc tttctcccc cccatcccc 120
cccccttatt cccccctccc ctcttacct ttcctccct cctttcccc ttcctctca 180
ttctctccct cttcccttc ttccctctcc ccactcttcc tcctccatt ctcttctctc 240
tcttcttcc ctctccctt atctctccct cccttctctc tatctctctt cctcctctct 300
cctcccttcc cctctcctgc ctccctcttcc ttccctctct tcttctcttc ttccctctc 360
cctttctcca tcccttcttc tctctccccc cttccctct tcacccaccc cccccc   415
  
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<210> 2099
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2099

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nttcgactct tttctctcaa tgaactgatg ggtcatctat tntgtgtaaa atcagccaag   60
tcaacccaag tccattgcat tttcaatcta gtatgttgct cagtttggcc atatgttaggg 120
ttccttaggcc aactggttcg attgactgat ctgagctagt tctaataaca ttaagcgccc 180
cgaggcaac aattttgggg taagaactaa acatatataa gtatttgtt taataaaatt 240
ttattaaatt attattatta tgaattaaaa ggtatttaa atattaaatt aaacaaaatg 300
caaacttgtc aactaaattt tgcatgtca caacatcctt aacaagtggc aactgcaaag 360
tagacaagtg tacatacatg ccattagtt atgacctang caacaaggac tcaaaaattn 420
tttgatagag aaaagtgt   438
  
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<210> 2100
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 2100

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agcttatgcg caagatccag tccgtctagt gtgaatgacg actgtcaagt ggcattcccc   60
  
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ccgtgcttat gtcgttggtg cccaggagac cccttatacct atacatgact gtgttggatg 120
ggtcgatggg gtgtatgctg gggaaagcatg tcgtgtccgg aaagaggaa cgggttgtct 180
actactttag caagaagtgc aacacctgtg agatgaacta ctcttgctt gaaaagacat 240
gttgtgcctt ggtgtggcg gcacatcgta taatgcagta catgctgagc cacaccact 300
ggttggtatac caagatggac ccagtcaagt acattttga aaagccgta cttaccggac 360
ggatcgccca gtggcagggtt ctgcta 386

<210> 2101
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2101

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actcctcactg ttaggaaaaa caccataact aaacgcgccca caaggcatcc 120
ctatcgacc agatccaaat ctagaacgat gggtagatcaa gaggagacac aagaacaaat 180
gaaagccgac atgtcgactc tgaaagaaca gatggcttcc atgatggagg ccatgttggg 240
aatgaggtag ctcatggaga aaaacgtggg caccgctgccc gctgttagtt cggtcgccga 300
agcagaccca actctcttgg caaccgcgca ccattttcc tcaaacatag taggacggtg 360
aaggacaca ctgtggcacg atggcgaccc ttatggattt ccacccact actcaccacc 420
catcctacaa g 431

<210> 2102
<211> 422
<212> DNA
<213> Glycine max

<400> 2102

agcttcaaca atgtttaat atagataaaa caattttagt gtaagacaat gttcatgaat 60
tgtttaatag agataaaaca acaaccaagc cttttccac tagagagaat gaataacaac 120
ccttggata acccagcaag ggtcctaaga tattgctact aactttccag cacattaacc 180
ttgaatgtat ttagcttggaa tatttaattt aatggattaa aaaggtactt catatcacca 240
ccaaatcagt ggctaagaca atccatcatc aaatttctca ttaaaaaaaga aatcttgaca 300

ttaatgaaat ggataaaactt tcaatcatat gagctattca ataaagtata tgtggttcca 360
aggtgctaat atgactggat tttgataatt taaggtatcg tttgtgatta taaatacatg 420
ac 422

<210> 2103
<211> 436
<212> DNA
<213> Glycine max

<400> 2103

tcaggttgct cattgactcc atattgtgc aaagaaggac acatatctga atggtgatct 60
gcggaagaac atagaccaca gactcttgca ataggtgtag attttttatt catggcaagc 120
ttagttacta ggttaccaa ggcaacaagt ttcccttcaa gatTTTATT ttcagtagat 180
gaagatgaat ctgtggccac ctcatggact cctctaagga caatagcatc atttcttgca 240
ctgaattgtt gggagttgga agccatcttc tcaatcaaat tcctagcttc agcatgggtc 300
atatcaccaa gagctccacc actggcagca tcaatcatac tcctctccat gtttctaagt 360
ccctcataga aatattgaag aaggagttgc tcataaatct ggtggtgagg acagctagca 420
cacaatttct tgaatc 436

<210> 2104
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2104

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aacaatgtca aagatttcaa actagtccaa ttactcggtt tcgttaccact aatatcatta 120
cctcccaacc ttatctcaac aagagaatct aacttggcaa cagaaggact caaagtccca 180
ctaagattaa actttccaa aataatcatg tccacccccc cgtccccatt gcacccatc 240
cccaaccatg gcccgtgaca agggtcattt ccactccaag aatcaaccaa aatccaagga 300
taccccaacc ctccaagaaa ctccaacaac accatcaactt caaaagcaca cataaccccg 360
gccttgcct cacaaaattc attgttctca taactcaactt tactcgctgc anattccggg 420

<210> 2105

<211> 419

<212> DNA

<213> Glycine max

<400> 2105

tgttaaagaa cttagagaag atcaagtata agcttgctct cacatcggtt gtgtgttatga 60
tatctactcg acaagggttg aagtagagga gaccttcaat cctatcacgc aacgtggcgg 120
aaaaaaagtgg acagtaaact tgaatgacca ttattgtcaa tgccggaaagt attctgtgct 180
tcactattca tggtcacaca ttattgcagc ttatggttac gtgagcatga actactacca 240
atatatagat gttgtttaca cgaatgagca catcttacaa gcttactccg cacaatggtg 300
gcctctcatg aatgaagcga caattctcct tctaattgacg catggacact tatccctgac 360
ccaactacaa ttcttcgaa aggtcgcccg aaatccacaa tgataaagaa tgagatgga 419

<210> 2106

<211> 311

<212> DNA

<213> Glycine max

<400> 2106

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gatgaatgga gggagagggaa gaaagggagc atgaaattta atgcctctaa agaagtttga 180
actttgaaag ttaattctca aatgatcaaa gttgaaaaaaaa tgcacacaca tagcctctat 240
ttatagccta agtgtcacac aaaattggag gaaaatttga atttcttattc aaatcttact 300
agaaatttga a 311

<210> 2107

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2107

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tatataattga acttcaatgc tagaaaacat agaaaaagga aaaagttgt atccaattgt 120
atgtctatga gcacgtgttg caaatatact atgcataccaa ttgacagtcg aataacttgg 180
gcctcgaatc tcaagtgtgc aaaaatgata taagagttaa ccaataatca ttaagtttg 240
gaattaaagc caaccattat gcacattaaa aacaatgaca aagaagcaaa catgtacttt 300
gatgattagg agcctaagat caacggactt ttacattct gaatccaaa agaaagattt 360
tgaattaaac ttgttgtat aaacttcatc ttcaactgtt ccgaatttat taaattgcgt 420
atgaaaataa agcaaagact acaatattta atata 455

<210> 2108
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2108

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gactggtaat cgattaccaa aacattgtaa tcgattacag cttttggaaa ttaattggaa 120
cgttgtaaat tcaatttcaa aacttttca aatccatttt gctactggta atcgattaca 180
acaatatggt aatcaattac cagagagtaa aaactctttg gttaaacatgt tttgagaaaa 240
accatgtgct attcaatttt tgagaaaaac ctttcatac ttatcttgat taagccttct 300
cttgattctt gaatcttgag tcttgaatct tgatatttgat tcttgagatc ttgaaccttg 360
aatcttgatt ctgactcta aactttcttc ttgattctta tattgaactc ttgaaatgtt 420
cttgattcac ttgagttgtt ctttgat 447

<210> 2109
<211> 474
<212> DNA
<213> Glycine max

<400> 2109

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ataaaaacaa agagcttttg tctctgaaga attttttttta acttagaaaa ttttcttcac 120
acacactatg atgattgtta gttcttggc aagtgtacca aatcgctcgt agtaataatt 180

tctcgataag ccgagtgtcg taccacatgg atttgttac acttatatga agtactttc 240
agtttgc当地 ttgttaaattt agtgtataaaa attaaaggga aatttaaatc taagaaaaac 300
tcaagcaata aataaagaat aaagtctata aaatattact aaatctaata atcctaaata 360
cctactccta aataaaatag gggatactac ttctaagaaa acccaacaat aaaataagga 420
ataactactt ctaagaaacc caacaataaa ataagaaact tcatacaata aaat 474

<210> 2110
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2110

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caactacact cagacacttc tttagtattcg ggctggtata agataataag ctaatattac 120
tccttgagg taccccttg acggaagttt agatattctc tcaagaaatt aaagaaaaga 180
aaaagttact gaaaaatgtg gatcacataa ttaatgcatt taaaagatat ttataatct 240
aaagataaaaa aaaaatgaca nattattgat gaagtgttag gttctaaaat atgaaatcct 300
gattacctga acaacataaa taggaatat taacatgatt atattccc 349

<210> 2111
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2111

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tatactaatt ctgaatgctt ttagcttgc cctctgaaat agtgaatgt gtgcattgaat 120
tcaaaaaatg gtgttaaccc atcagtcatt ttaatttact ggctaaagaat ctggaccgt 180
gtgctaaata tgaagaaat gaagaagggtg aacggaagct gcaaattgggt aagtgaatgg 240
agaaggagat gaaggctaac tatgaaggag aggttgcatt aaggaagaga atatggatt 300
ctaaaacccc aaattccatt actggngaaa tatatgttac tagtcatgtt acatgttagc 360
aaaacaaatg gaggattaac aaaacttacg catagggagc tgataaagga tccaattaca 420

aaatattata gttttaagaac ctaattatac aaat

454

<210> 2112
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2112

agcttggact cgattgcgcc aactggactg ttccctgtcta ttccgatctt tcaaagtgtg 60
tttgttnttt tgtttttttg ttagattaaa ttaaaatgtt ctcttgatta tgcgtgtatg 120
tatgttcgta tgtgtgattg aatttaactt gccaaatttg cctttgggtt cgagtaaatc 180
aatgcgttga aattctttt gaaatctctt ttggcgta catgttttag tggttttact 240
atttacagtg ctgcaagttt atttcagtga atgtccacgt ttcttataaa ctgtttctt 300
atgactttcc aggagaagtg ctggagatga ggaaaagatg gtgtntctgt attttaatcg 360
tgtaagctgt tcgtcttttg tctgtggtag gaaattttt aaagaaaaggg gtaagggtag 420
tggtacatta tttat 435

<210> 2113
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2113

gggaagcaag tgagatagtc gacaattntc ctaatgaagt tgattaattc tctaacatct 60
ttttattgaa tttcctaatac ctaatactga tggtcttaat ttaaccatat taaaaaaaca 120
actaaaaattt aagcaaatta acctttacat gatcacatca caacaataaa ccacataaga 180
tttttaatg atgcaacggc tataacttcat ttatacaacc gtgcacatcatg cgttgggg 240
ttatgcatt tcaagaggaa tcttacacca gtttaaattt agtaatttag aatttctttt 300
ttacgaattt gtcttaactc ttaaccaaag gcaattttta ttttgggtc cctccctcat 360
attctcttag atgccccatgtt cttgagcaga tattgaacgg tggtggcat atatatcatc 420
atatatatgc gcagcaagct ntcacattaa cattat 456

<210> 2114

<211> 322
<212> DNA
<213> Glycine max

<400> 2114

gcaaaccat agcagcagaa taattatgac ctttaagaa acagatacaa tccaggttgg 60
aggaaatcatc caaatccgag atggacaagt ctttcacaac aacaacagcc tatccctcct 120
ttccagaatg gtgctgggcc aagcaagcca tatgttcctc ctccaatgca gcaacagcaa 180
caacaacaaa gacaacaagc aactgaggcc ctcctcaac ctttcttaga agagtttagtg 240
aggcaaatga ccatccagaa tatgcaattt tagcaagaga caaaagcctc cattcagagt 300
ctaacaaatc agatggggct ga 322

<210> 2115
<211> 450
<212> DNA
<213> Glycine max

<400> 2115

tagggacat gaaaagggtt ttgtcaactt aataagtatt atatcaaatc acttatctac 60
ttttgtggtt ttgttattga caattttatt tttaattta acaggaagga tattgtgtta 120
cagttgcaac cactaaaaag ttgttggtag ccaatggatg gagctatgaa gggtgtccaa 180
atgtaataga aaagctggag acaccacact ttcattcatt tgctaagagt gtaggaatga 240
aaattcaatg ttttaggtgat caatgatata cattgtatct ctttatata cttaaatcc 300
ataggtata taagatgaaa tctatatgaa atactaccat atttgttaag aaaaaaaaaa 360
cttttttgg aaataacgta tttatattct gcaagacatt ttgtatccaa ttcttgttag 420
tttgtatgtt tatggatatg ttaagatgga 450

<210> 2116
<211> 326
<212> DNA
<213> Glycine max

<400> 2116

tattccttta ttaatatata tgcgagggggt agaagggtgtc acaaatgtg ccattttttt 60
tttggatggc ctatgtgagg aacctggaaa aaggatttga caatcctttt catcaatgg 120

caagccatat cagagattaa tttgtattat agtccacag ataggatca ccaatatata 180
cttaaaaagtt tggttcttta ttccatcacg attagttgt attatggaac caaacctcca 240
catggagac ttcattgatg attgtaaaaa tcacagtacg acttatacta aaacttacct 300
aatatataat attattttg cggata 326

<210> 2117
<211> 445
<212> DNA
<213> Glycine max

<400> 2117

tgttgcggc ttccctcgaga cgcttgagtg atgtattgtg tatggtatgc tccgacatgg 60
tgtcaccgag catagagcag gttagactag aattgttatg actggactac tatactacga 120
attaacaagc taagaggtaa tttcttcttg ctgattttac tcaattcact ggtatttata 180
gacacaacaa tagttgcaag gctaaaaaac cactaattgg ccaactgtgc taataactga 240
ctagtagtgg agctaacata atttgtttt gatcactaag aaactctggt agtggattta 300
acagaaaattg gtaaaatata tgatttagta tcctaacacc tagcacgaca agaatagcat 360
aagcaattca cacgaagtcc tgotaatggc cggtttcctc atattcctct taggcctgct 420
attgacttgt gccctttgc tatca 445

<210> 2118
<211> 272
<212> DNA
<213> Glycine max

<400> 2118

atgggaggag ggtatatgcc atttttgctt taaggatagt gtcccactgg taaaattaac 60
tttccaaatg gttgccttcg caggaatggc cccgaagaag cttgcctcaa agaggtccaa 120
gaaagacaag gcggccgaag gaactagttc cgctccggag tacgacagtc accgctttag 180
gagcgctgta caccaacagc gcttcgaagc catcaaggga tggtcgttc tccggagcg 240
acgcgtccag ctcagggacg acgagtatac tg 272

<210> 2119
<211> 451
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2119

tgtggtattc annaattgta aacatttgaa gttatttgat gaanagttca ggaaacattt 60
tgcaattttg cagcagtcat tttgttgcatttttgtg aaggaatatt tgtatttttt 120
aactcttatt ttctataca cttttcaaaaa ggggagattc tgaatggcca aagctgcaag 180
agaaaccacc tattggatga tgtcaaccta ttcaagaatgt taaaaataaa cgaggacaag 240
tcaggcaagt tcggcatttc tcacccttaa ttctaccctt cacattggc tttgtttct 300
ttagtttct cattaacttt tattgcaatg tgtggtctct tgaccaaaga tgaacttttc 360
aagccttctc cctcccttc ctaagaaaat tctttctta tctgtctgca tctgcctcaa 420
cattaacaca tttaatgaac tcttcacaga t 451

<210> 2120

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2120

agcttatcan agaattttgt ctgcgtggt cttaaaca gaacaaatgt tgtgtaaaaat 60
taaatgtaac ttgaaaaag taaacaaca catcagaagc tgtaaaaaaa ctgttnaggc 120
ccgatatacct gaccataaa agtaaaca ctccaaaatg aaatcacaaa tccattacca 180
gatttaaacc atgacaatgt tcacgtccta taaaatatag gtttgaata taatnttt 240
agtcagnnnn ctattatat tttcttttt tacatctaaa ataaaaataa attttat 300
taagtattaa actagtaatt ttgtggaaat tattatatt taaatatttc taacataaaat 360
attnaaataa tttttttaa aaaatgagtt tccttcaata gattccgga tctgtcccga 420
attnaaataa ca 432

<210> 2121

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2121

tccattggtg tcttgaacc taaggctgat gaaggacatc tattaatcaa atatgttgtt 60
gtgtttgcag cttctccccca aaaagccttt ggcagtcctg cacttagaag catgcacctt 120
actcttcca aaatggtcct gttcattctt tctgccaaac cattctgttg tggagtgtga 180
gggactgttt tgtgcctttt gatgcctatt ttccctgaaa actcattgaa ctgctctgaa 240
acaactcca ggccattgtc agttcttaaa acttttaatt ttgtaccaag ttgatttcca 300
acaagagtat gtcattctct gaattttga aaagcttccg acttattttt canaacatac 360
agccatactc ttcttgagaa atcatctatg atggtgagaa agtatgagct tccaccatga 420
gttttcactc tagatg 436

<210> 2122
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2122

agcttgctct anatttacat tcatgtttgt atttatggga ggaggttgta tgccattttt 60
gttttaagag tagtgtccca ctggtaaaac taactttcca aatgtttgcc ttgcgcaggaa 120
atggcccccga ggaagcttgc ctcanagagg tccaggaagg acaaggcagc cgaaggaact 180
agttccgctc cggagttatga cagtcaccgc tttaggagcg ctgtacacca gcagcgcttc 240
gaggccatca agggatggtc gtttctccgg gagcgacgcg tccagcttag ggacgacgag 300
tatgctgatt tccaggagga aatagggcgc cggcggtggg catcaactggt tacttccat 359

<210> 2123
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2123

ctggaaaaatg ttgttnttca ctttctcgct aagccaatct gctggcttag ggagcgctcg 60
ctaagcgcaa cattcatggg ctaaacgcga ggaagactct ggaagaagat gagttgtaca 120
ggttcgtctaa gcgcaccact tcatactcact aagcgcaccc cttcagttca tccgctaagt 180
gagaaaggca cttgctaaagc caaaattcac taatgtgcgc taagcggtcc ataattgcgc 240

taagcgcatg agcacgaaca aggccatcta tttaaggctg aaatttagatt ttagaggaag 300
agtttggact gggattcaga gctgtcatg tctagagttt ctagagagag aaaggtccaa 360
gttctagaaa gttgtgagag attttggatgt gtgaagatct 400

<210> 2124
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2124

agtttcatgc ttaactatgt atggcaaaac ttcattactg gtggtaaga catacaagt 60
agcttgtaac aaatcttcta cacttggagt gatcacatgc agtccttgc aacccttacc 120
acccactctg tcatacatgtc gagactcaag aagcccaaca gtttaacct tctctaagta 180
ttctgaacaa aaatcaatgg cttcttctac aatgtacctc tcaacaatag atgcttctgg 240
acgatataga ttctntgtat accctttaa gatcttatg tatcgctcaa ccgggtacat 300
ccaccgtaga taaacaggac cacaacattn gatttctcta accagatgca caatcaagt 360
aatcatgatn gtcaagaaag angggaaaa tacatctnca ctggcacagt ataatt 416

<210> 2125
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2125

tgtgattgaa tgaattatcc cttgtaccca gttttagctt aatgaattaa ttgattgatt 60
gaaccttggag cctattcagt tgtatcttct gctaccttac tttaggttggt aggagagcat 120
catccacaga agatggttca aggaaaattt gtcccaattt tggggaggt attatcaagg 180
taaatttggt ccaaatttgg ggaaggcact cgtaaggat tgaaatggc aaagaaaata 240
gtatatacac actggttcta ttttctgtgt taaaaaaaaaa caaaaaaaaa actgtaaatgt 300
taaataaaatgt taataagtgt gtatgctata aattcaggca tgaaagctaa gtgcctaaga 360
aaaaggcata gtacggcgaa ggaatgaatg aatgaaaaaa anatgaaggt tattctatgg 420
atgaatgt 428

<210> 2126
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2126

agcttgagat gaggaagtgt tgaagggtga aacttcctgc ttttattgtt gaccacagag 60
tggtaacctgg agatatgtcg cggnggtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgccccaaa ccaagcttga ccaatcccga cccaaacccgg gcatagtcgg tcagtgagaa 180
cctgtatgt acctaaacag gcgagtcct agcagtcaac agataaaagg aacaaagacc 240
acaaagcaag gaggcttgcgt gtggctggct agctgtgaaa cttgattgtat atgtgagata 300
tggtctctgg taatcgatta ccaagggtgg gtaatcgatt acaaggctta naaatgaaga 360
caggaggctca agatggtctc tggtaaatcg ataccacggn gtgtaatcga ttac 414

<210> 2127
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2127

tcggtaactct atttaaatnt acaataaggtt ttaatataata tattagtttgc tctactaaaaa 60
aattatcttag ttaaaaatta taaattacac aaaataaaaat ataaaatcat atatataaaa 120
agtttatttg taaataatgt ttggagtggaa gtagccaaa tttggggtag cccaacacac 180
ttttgtaat acctctagtt ttcgacttct cagtggctca cacactacta cacttcacgt 240
ggtgataactt tactgaactg ctcgttggtc ataaccctcc cactggtcag aatcctctat 300
aggttaactct tttcgagacc tcgataatca tcccttactg ctgttgcaggat caatgactat 360
ccccacaaac caacacaaga tttnttagca tactttgtcc tcactcacac aca 413

<210> 2128
<211> 459
<212> DNA
<213> Glycine max

<400> 2128

actaagctat gctgctacat ttatataaac ctccacagca gcatacctt tatcagataa 60
ataattatga ccttcagaac aacagataca atccatgtt aaggaatcat ccaaatctga 120
gatggacaag tcctccacaa caacaacagc ctgtccctcc tttctagaat gttgctggtc 180
caagcaagcc atatgttcct cttcaatgc agcaatatca acagcatcaa caaagacaac 240
aagcagttga ggcttcctcct caaccttcct tagaagagtt agtgaggcaa ataaccatcc 300
agaatatgca atttcagcaa gagataagag cttccattca gagtctgaca aataagatgg 360
ggcagatggc tactcagatg aaccaagccc agtcccaaca ttctaacaaa tagtcttcac 420
aaactgtgca gaatctgaaa aatgtgagtg ccatcacct 459

<210> 2129
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2129

aagatatggg cctgcctatc tgatcttcta tgcttaata ggtggaaaga agaattgagt 60
tcaagagggaa cctcaactctt atgatgaggt cataagcaac aaggacaatt caaaatggat 120
tgaagctatg gaagaagaaa tgtctttct aaaaaagaat tgtcctaaag ggcagtaaat 180
tgttggatgc agatggctat tcaagagggaa agaaggttt gaaggagttc aaagtgttag 240
gttcaaagct aggctagtag cctgtgggtt tactcaaaag gaaggagtag attntgtaga 300
aatcttctca cctatggtaa aacatagttc aat 333

<210> 2130
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2130

tcttgggtt tntgcgtggc catgtgaaac aaggcaatt ttgtataaga gaagttttct 60
tcgataagtt aaattaaata aatattttt aaccaaatat gttgacaagt gtcactaatc 120
aatatttcaa aagatgttc gtttaccttt ggtctttgt ggttagattt agcttcagta 180
tttaaatattt attaacggtg ataactttaa accaattgaa ggaatattat gaatcatctt 240

aaaaggataa aacaactaaa ataaattctt aaaagaaacg atcaaataaa aaaaataaga 300
taaaaaataa aataatcatt tagtcaaata tagaatacgt ggaaagtaat attcaaacat 360
ttcatggatg ttgcattcg a ttctttttt ataatcgatt attttcatta atatcatgaa 420
aattaaaaaa aatacaatta tctttataaa tntatg 456

<210> 2131
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2131

cctgcggcat gcaagcttct ataaaggaag tttttaagt ntcccatcat tggaggaatt 60
tgtcagaatc tcttgcagt ggatggaaac attatgtcca ggtaccctaa aagcagacaa 120
gttggttcaa gttcaacttg aaccaaattt gaggcactta gatcatatac aacaacatcg 180
ccttatctta ctaagtgggg tcggcgactg gcactcaa at cctatcaa at tgaaaatga 240
cctgaactct accatgcggg aggcat tagtggaaatgttcaat tattttgatt 300
agatatgatt gatattggtg tatgttggtg ttataatgca aaatatacac cgctaattt 360
gttaattttaga ttcatcttca aattaacttt 390

<210> 2132
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2132

tctgagctnt gataattctt taagttcaa acaattgaga tgctgaaata ttatcttatt 60
ctcggttcc atccccttcc tttagacacta tctttcaat ttaatcacac caacttatct 120
caattttttt gagttgaccc aaactttgg gtgttggaa tgtgaacaaa tatagcagtg 180
ttgcaattttt ttacttccaa aaatgtcaaa ttgcagaagg gcactgtgca tggttccaaa 240
ttatgcaaca ctccgctttt atgaaaattt gtagcattat tcttcgata atacaccaca 300
acctattcat aaattctctc attcttatttc atccccttgg tttaaagatga tggaaacacaa 360
gacttaccca aaataaaaata aaacatgcc aatagttga attggatacc tttaaactaa 420

aagtctaaaa cataaccctt ttttgtgtg tgttg

455

<210> 2133
<211> 339
<212> DNA
<213> Glycine max

<400> 2133

gcccataggg catcatccaa cttcacaacc aatccttcct tgaggatgca acaatattct 60
ccagaatttt cttaattct ttggtgata cctcgccctg gccattttc tgaggatgat 120
aaggtgaaac taccttacgt ttgacattat aatgccaat accttctaca actatctatt 180
gcagaaatgt gaaccctatc actgattatc actctggaga ccccgaagcg ggagaaaatg 240
tttctttca ggaatttgat gacaatttg gcatcattct ttgaggcaac cacaacttcc 300
acccacttgg acacttaatc aacaaccacc aagatgtac 339

<210> 2134
<211> 442
<212> DNA
<213> Glycine max

<400> 2134

ctcagcttaa taatcctgag ctggagttag ccatggatcc caagttccct gtgccgtagt 60
gacggctact acataatcat cgtcaatatc tgcccttgct gcgcctgaaa ctcccttcctc 120
agcagcctcc actgggtgtgt cctgagcctc tgcccttgcc tttgggttat ccttagcctc 180
cccagcctct ggagtgtctt cagcggcctg tttttgtggc tcctgggcca caagagcctc 240
accccccua aaggaaggct ggactccaga ccaagctacc tgtgccaaga agtcctccat 300
gctcatgatc agccgctgct gagataaatt ctgcataactc tgcacatgacca ggaaaaggctc 360
gtgatgaatg cttttagca tgggcacgat agcagcactg ctaggtacga aggggccccgt 420
tggagctgaa ataggtgtgg ga 442

<210> 2135
<211> 461
<212> DNA
<213> Glycine max

<400> 2135

cttagagcca cctgcctgca tgcaagctcg cctcaaagag atcttaggaag gataaatg 60
gtgaaggaac cagttccgct cccgaatatg acagcctcca ttttaggagc gctgagcacc 120
agcagcgctt cgaggccatc aaggatggt catttctccg ggagcgcacgc gttcagctca 180
gggacgacga gtataccac tttcaggagg agatagttcg ccggcgttgg gcatcactgg 240
ttaccccat gccaaagttc gacccagaca tagtcctcga attttatgct aatgcttggc 300
ctacagagga gggcgtgcga gatatgcgt cctgggtgag ggtcagtgg atcccgttgc 360
atgcagatgc tctcagccag ttctggat acccttagt gctggaggag ggccaggaat 420
gtgagtatgg ccagaggagg aaccggtccg atgggttcga t 461

<210> 2136
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2136

tctacatgtc tagggtttc tagagagaga aaggtccatg ttccatagag tttgaaagat 60
tttgctgtgt gaagacctgc agagaaccga gcttgaagag gaagctgtcc tgagagcttgc 120
agatgagttt gtgagtgatt gtgagggtct aaaggtggag gagacatcct taccacttgt 180
atttcttcaa tccttcatgt ttctcttc tttgttgc aaaggtttc ccagttatgg 240
agagctaaat ccttgggg ntcttcctt taggtacttg gtgtaaatac ctgtatatct 300
attaatgtat gcttgggtgt ttcactgtgc tatcaaaact tcatttacc atgctttgc 360
cttgatcacg tagatgcacg tggttttagg atcattcattc agtggaaact ggtctgattc 420
ttagaacttg ataggacggc gctagtttat cata 454

<210> 2137
<211> 271
<212> DNA
<213> Glycine max

<400> 2137

agctttgagt aataattttt ccatcaatct ctgaaattta gaatgaaatg tatgaatgag 60
gactgttagt cagcgaatac cactaacttt tgtgataaaa cttgtgtaaa ttgtatcaaa 120

ctttccaat ttatggttat tttgttgttataaagtatt ttctgttaaa tataggtaat 180
aaatacttag tacttccatt ttgtgtggta ataatcattt tctctcattt caggttaatt 240
aggcaagctt tgaaaagtgc taatttcac c 271

<210> 2138
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2138

tcattcagat ggattaaaag gctcaatgtt cacatgtctt tcatgattgg gtcacgattc 60
tcatgcctt catgataata gtagataagc ctatgttgta tcaaaaggct aactgctata 120
aggcaacga gattcttatt gaagatgatg tgttagatgct cctccaatta gataagagag 180
cttgccttgg aagggttggc aaacataagc ttgaatctct taagcagaaaa attgagcaca 240
ctagtatgga ttgggtgttt ataaagaggt tctataaact gaaagctcac tattaaggtc 300
tggaccatt tatgttgtaa ggcgttatac atgcagaaag cgtttacac gcagtaaggc 360
gttattatca tactctaaac cattatgct ctactgagga gatttcttc aacatggttt 420
gcccatggac tanggagttt catg 444

<210> 2139
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2139

caagctacnc ttcaatctgc ctatacatat attaatatgc aactactcca cagnaccgaa 60
ttcaaaattt gggatcagtg gggccctttg acttcaatct tttgggtatg attgaaatgc 120
aaattcgcaa tcatcaaagt tatcacctga ccaaagaatg gggccatgca cctagatctt 180
aattcaggac ggtatgtatc agttcaagac ttcaaatacg ttcttagtatt tgaaagttt 240
attagacgtg catgtccatc acatgtttaga acatagttt caggttaagga aacaaatttt 300
aacaaatctt gtgcgaatct taatgaatat gaagccgggt ttctacggc attagtggac 360
attccgtatc cggcacctta tttactttt gaaatttggg ttcactttta t 411

<210> 2140
<211> 437
<212> DNA
<213> Glycine max

<400> 2140

tgcgaattgc tgctggtctg ataacaacat caattctatg tttttatgg caattcctcc 60
cattacgcga atggcactct cacgtgatac ttggataacc gtattatgca gaaaatttag 120
agattggtgg caatgggtaa ttaaacattt ttttaaaagc aaagcacgct gataattcag 180
aattcagaat aatataacat tttgcagttt caagagctaa tatgaaaatg gaattcaaatt 240
gcaggttgct gatggggatc ttcctattgt tgcttcacat gggtaagtaa tcagttagtc 300
ttgcaatatac taaaatccac tttatgtgtt taccaagtct catgttatgc tgatatggca 360
gaatggaggt tgaagtatat aaatcacttg atccagggt tcgtgtggc atctaaaaag 420
cattatgtga cattcgt 437

<210> 2141
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2141

agcttctcaa gcaagcttcc attaagtggt atatagcaca agagcttcaa gtaggtgctc 60
tttaaacatc cattaattnt cagcttacc ttctcctgca ttgttgnttc ttcatatttc 120
tccatgtatc tcctcacatg tctagtggtt aatgttgta acaatgaatt tttagaatttc 180
caccgattaa acttgctata gaagctagat ttgattttct atgattcaaa ttcttggtc 240
ttgctcttga atcatgaatt gtgttgagtt tagattcctt tgagtttgtt attgttatttc 300
gttctggctg aaacctaaac catataattc ttacagaaac attaaagtat aagacaacct 360
canaaatcta gagtgacatg ttcatctatt atagttntgt cgtagacgtc atgtctagtc 420
atgaaac 427

<210> 2142
<211> 429
<212> DNA
<213> Glycine max

<400> 2142

tgagtgagag agtgcagggt ggttcgaggg tcacatctgt taacacaaag gcaaacacac 60
tttaaggcag aaattctatg agggtcatag aaagtcgaac agaaatataa aactaagcga 120
ggttgaggg agtcattgaa ttcaaaccctt cgagggaaatc cacaacttgg acaaagatga 180
acgtaagtaa ataagaaggt tacactcgat tgatcgaag ctaattaatg attttggaa 240
taataagtaa gattattcaa agacggtctt atataaaaat cgtcttgta ctagcaatac 300
aattatgacg gggttgtca acctggcgt gtactccttg ttcaaaggaa aactcacta 360
ttgaaaatgg atattcaata atacgcatca tatacattcg ttaaaagtac tacactatca 420
ccacctata 429

<210> 2143

<211> 278

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2143

acacatgctt ctatTTATAG actaggtagg cttcttgaga agctntctta agaaaacttc 60
cttgagaagc ttctttgaga aaaattcctt gagaagctag agtttagcta cacacaccca 120
tctaaaaact aagctcacct ncttgagaag cttccttgag aagctagagc tttagctacac 180
acccctataa tagctaagct caccgggtg acaaanaaac atgaaaatac aaaaaaaatc 240
ctactacaaa gactactcan aatgccctaa aatacaag 278

<210> 2144

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2144

ntctcccaag tcctaaatga catttcaagc tagtattaac tcactntaac ctccattac 60
cacagaattc agacttaacc ttccaaactct caaagcctca ctcttttcc actcataaca 120
tcacattctc actttctaac cctaggtaa ctctaccatt catctctaac agtttccat 180
aagcaatttc agcatataaa catcacaaac atcatcacaa aaaccctaaa acagaatgg 240

tataatctaac tcatccaaac atggcaattt caacaagctt tcaacaaatg tcttcacaaa 300
taatcatcac acagcagaaa cctagcaaga ctaccatca tatctcccc aaccccatac 360
ccacgaaaat taaaggagaa agaagtccac ccaaacctga atttcgaag tcccactcg 420
agccacgcac ttca 434

<210> 2145
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2145

agcttcggga gttgtattta cgcatggga agtatttagc accccacacg tctgtcacaa 60
gggacgacag ccttaatca aatgtcaaa catgacttca attttatgt tccctttac 120
gtctttatcc tttttgtac ttatcttt tttatcttt tgtggncgac gagggtgttt 180
cccttgctcc tacgtattcc tcaattgtga taaggaaatc agacctacgt agttctttg 240
tgaacaaagc gtttggta agttatcc ttatccttt ttgcaagata tgtnnttatt 300
gaatgaaagg tcatttaagg cggtggacca ttaaacaatc ttgcgttct ttanaaagt 360
gagaaaacat taaggcattt gaccattaat gattctttt ttttggaaag aagtacacag 420
gtacatatcg attt 434

<210> 2146
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2146

tcactgaatt gctggctta ttgaagaaca tgcttctctg atcaaaacac tttccgaan 60
aatcactacg aggccaaaaa gatttgtgt ccagtggaa tggagtacaa gaagatccat 120
gcatgccta atgattgcat attgtataga aatgagtatg cagaactacg gcaatgcc 180
acgtgtgggg tatcatgata caaagtcaa catgatgaat taactgatga tgcaggaacc 240
aaaaattgtc gtccctgcca ggtgtttgg tatcttccaa taataccaag gtttaagcga 300
ttgtttgcta atacacatga tgcaaaaaac ctccatggc attcggatga ccgaaaatct 360

gatggattac tgtgacatcc tgccgattcg ccgcagtgga agacaattga tc 412

<210> 2147
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2147

agcttatgcg gcattntcta catgagtagt actttgttt ctntatttca atatatattt 60
atgttaaatt atagctttta attaaggcaca aagctaacat gcttggtaaa ggtgtttca 120
caataatacca aatgacatgc tatgccttta tcacccgtct tttcaaatat gttcgtgagt 180
ttgaataaaat tccacaatgt gttttatgta taaagtaact actatcaata tcaaagaggt 240
aataaaaaatt aatgggacac attttgtat gttccatagt taaaactagt gttacttata 300
tctgccccaa aatagtgcaa tgtcttgagt atctattcca actttgctat acaatgtact 360
tgtattgaat ttgccacttt catattcttt gaagccataa ttttatgtgc ctcttaatat 420
ttc 423

<210> 2148
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2148

ncgcttcgtg accaggtggt cttcgtaata gaagagacat ttggctataa gcctgtgctt 60
gtttggagag atcgtcataa atgattaaag tgtgacgttc atggcacata aaatattcaa 120
ccagagctac tcctgtctaa gggcgaagt attataatgt agttggagaa tccactgttt 180
cagctactac aatagtgtat tccattgctc ctctttttg taaggtattc accacttgag 240
ccacaaaaaga tgcttttga ccaatagcta cataaataca tattacattt tgtccctgtt 300
gactgagaat agtatctgtg gctactactg ttaaacctgt ttgtctatct ccaataatta 360
gttctcggtt gccacgtcct atggggatca tcgaatcaat aaaataagtc ctgttggaga 420
agctcatata tggAACGTCT cgaatan 447

<210> 2149
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2149

catgggaat gcagcaatag gtgggttat tccgtgttaa aatcgaaaga tgcttcatta 60
ctcaagctaa acttgagcc attgtgcttgcattcaagt tgaaatatcc agaggcttta 120
ctgagttatt agtggaatgt gattcaaagt ttgctatttc tctcattcga gatggttgtc 180
cttctacaca cttatgttat cagggggtttgcataatcaa tatattcgtg aatgatggcg 240
gagtnntccc tcgatccctt ttttagtcag gca 273

<210> 2150
<211> 457
<212> DNA
<213> Glycine max

<400> 2150

ctcagcttct tatccaggct catcttggtg gtgaagctcc ttcttctatg gcttattctc 60
tagtggatgg cacctcctct cacctttctt catttgcattt ccgctgcattc tccatgggtgg 120
aaaatcacca ttaaaggacc taattgaagc tcaaagatcc agcctccata gaagccacac 180
aagcaagctt ccatcaagtg gtaatcagag cacaagagct tcaagtaggt gctccttaaa 240
cctccattaa ttttttgct ttaccttctc ttccattgtt gtttcttcat ttttccat 300
gtatctcctc acatatcttgc tgctaaatgt tgtaacatg attctttaga gtttccaccg 360
attaaacttg ctatagaagc tagatttgat ttctatggt tcaaatttct tggcttggtt 420
cttgaaccat gaattgtgtt gagtttaggt tcctttg 457

<210> 2151
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2151

atgaattcca cccccataaa ccacaattcc agcatgaatg gtggaccttg catgtggaca 60
actcctctaa tcaacatgga agtggagcta ggataattttt gaaggaccc aaccacataa 120

ctttaggata atcaactacac tttgattntc aaagccagat gtaatcaggt caaataca 180
gctcacctag aaagcttaag attggctaaa gaagttggag gtcgtanggt taactacaa 240
a 241

<210> 2152
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2152

ntgcgagatt cctcacggaa aacgttacgg aaacgttctt gaagcgccctc ggcttagatt 60
ttcttcacgg aaacaatttt tccaagcaa ttcgaaagag agagaagtgc ctaaggggct 120
ggaccctttt cttcttcact tcctcccta tttatagcaa aataggggag gtggttgccg 180
cccagctcgc ccaggcgagc tcagctcgcc caggcgagca gggttgcttc ctccagaagc 240
aaccgccttc tggaggaatc ttctggaggg cccaaatggg cctgggtgct atttgcaccc 300
ccatttttac taagtacacc cccctctgct attttttgtt gattctttt tcgtaaagtt 360
acggaaacctt acgaatttcg taacgatact tgtttctt ccgtaatgtt acggaacctt 420
gcggattaca taatcatccc cttntgact tac 453

<210> 2153
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2153

gattacatag agggtttcag ggacttagct ttgatttaca ttntgaattt catccaaattt 60
tttgacaagt cattgttact tccatcaata ttgatattgg atcatgctta attatatgcg 120
tttgcttatt ctgatcattt gttgtgggt gattatttct tccatgcagg tacatgattc 180
ctatTTGTTG tgagagtgaa atgatggca gcagcaccaa ctgaggtgag tgtatattc 240
cttttttttt tgcatttatac tttgcttagtt tgctatata tttttatTTT atatgtttga 300
gttttaatg tgaaaaaat agaaatagaa aggttgcta tcatttttgc aatgccatca 360
tctaccttta atgattgaca tctaaattgg tccctgttta atcgaattaa ttagttat 418

<210> 2154
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2154

ngtctctaca gaagaaaagaa acaaaaataa gagtagattc attgttagata attcttgca 60
gtgatcaaga ataattatga accaaccaat caatcaacaa gcataaattg aaaattggtc 120
ccacattcta aaaatggtca tctcagtgc tcaaaaaat ttctcaaaag aaatagaaaag 180
tacaaaatca tacataaaaag cttagaagca aagtttggagg gtttatctt acttttgata 240
tcctgtgtcc acaccttgc tggggatgaa ccaatttctt catctcccag agtgttattc 300
caattggcac tttctttctt caaatgacca agctcgctca acaaataattc aacattgatg 360
taatggcatt ccctccgagt cttccagaaa aggagttcca caaacaagag ggggtgctt 420
ttcattntct ttagcatctt tctgaccaaa caagt 455

<210> 2155
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2155

gcttctgtca gcccagctt gcctctgtt attgttacga ttgctgagat gtgtgcgtca 60
cgtatcaaac aaatccatgg acactgatca cttgatttgc cactaatttt gaaagaaggt 120
cgtcatgact cattcattct tcacgaaacc acctccttca gccacctggc agtttatcat 180
caactgtggg ggtcccgctc ttcaattttt aaggtgtcaa atgctgatca aacatcacac 240
taattaatta attactactc gagtcgattt ctataaccta attggcggtg tttaaatgtt 300
ggaagcaagg gtattgaaac ttgattcatt tatatcctca acaaataac ttcccatcaa 360
attaaaaaga anataatata ttttacacca aanaagaaaa ggaagggaca acgtatgagt 420
ttgaggcagta tcatcaattt cattca 446

<210> 2156
<211> 473

<212> DNA
<213> Glycine max

<400> 2156

cggacctatg atactcagct tgattaatat gctaattgaa atagtgtgtt tataagttat 60
tattcaattt tttttctatt aatttcaaaa agtggcattt ttttaccatc aaactaatat 120
cttcatttaa ctttctttt tttatgaaat atactttaca taataataat aatgaaggc 180
gattgtatta tctaaagaga ttgttggtt gaaaaaagaa gataataatt atgttttac 240
attttcaaaa acataaatat ccagggataa gtttatttat ttatttattt attaaaaacc 300
taaaataaca ataatgagat gaaaactggc ttcatatttgc gctataagta tgtggcagca 360
gcagaggcaa taaagttagg aaagcccttg gacccttcct gcttcctgtt tggaaatttgg 420
ataccttact cgccccacag tggtattcat ttattactcg atagaattat tat 473

<210> 2157
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2157

catgcaagct tgagagctat tcttcgagga ggctngatta aagataaggt ataaataggg 60
agggcagtga ggacagaatt gatgagagta acctttccag ccatggataa nattttctgg 120
ttccatttag acaatttatac ttcatatttc ctgatcagcg gttcccacac catgctgtt 180
gtggactttt ccccaatggg aatgccaga taatagaaag gaatctccat atgtctata 240
ttcaaaaatt ctgctgcctc atgaatccag ttgacctcag ctccaaagat cccaaacttga 300
cttttgcaa agtaatctt caatctagat gccaattcag aaccctcag catagacttc 360
aaagcaataa cattatccca taaaacatgc cccacaaata ct 402

<210> 2158
<211> 411
<212> DNA
<213> Glycine max

<400> 2158

catgtgtggc ctcattgagt gcttgcgcaa tagccttggc ttgattcttgc ttgatgctgt 60

cctaattcac aagcatattt ggaaatgaac tatgcaatat tgatcttata aacttctagc 120
caaatggact taccttgaat taaattcttt gataggccct ttgagccat gctccccttt 180
ctttgttctg aagctcatta caagccttca gtgaaaaacc atgatatcac cttaccctta 240
aagaacttg gagcttgga attatcttgg gaactagatg ggactaagtg cgccggagg 300
tatgtttcat tgcaagatat acaatgtggc catgcttaac gttataattt ggccatgctt 360
gatgtactat gatatcgact agatcttgct ttaatcgtca atggacgact g 411

<210> 2159
<211> 361
<212> DNA
<213> Glycine max

<400> 2159

aaagccatat cttgaggate ataaaaaaaaag actttaccta gcttattttc aattggcaaa 60
tatgactatg ctctattcac ttatattca gaattcttgc tcgaaaaaaaaaaaatgata 120
gtgaaatcac gaaatactaa catgaagaga taatgttagaa gtaattttgc tcaatttctt 180
atcatatact tacgaattcg gaaacagtct tttgcatac gcacggtaa aggttatgta 240
caatgaacct cctccatacc tttgcatac ccagtttat accaattgat tttgcataa 300
cggatttcatt ccattagtttta attacccaac tatggctat atatgaaata tgtgaaaagc 360
t 361

<210> 2160
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2160

tatctgccaa tccttgtgnn gggactctac tgccctttt atattgttcc ctcagtcac 60
acatctggtg gtttgctttg catgtggAAC aactcagttt ttgaggtgga taggagggcg 120
aaaggtacaa atttcttaat gcttgatggg aggtgggcta aggataatca gacgctgtac 180
attgttaatg tatacgcccc ttgtgacctt gctgggaaga gagttatgtg ggaagaattg 240
aggcagttaa aggtttctaa ccctgtatgga ctatggcgct tccttgaga tttcaacagc 300
atcacatgtc acgaagaagg aattggttca tcccaaagga atgctgacac ctatgacatc 360

tctgcttca atgactggat atctgacata tagctcaag aaattaaatg cttggtagc 420
aggttact 429

<210> 2161
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2161

agctngngcg ttgacttata aactaanatt ttaggcttga atatnngnc attagcataa 60
gactgaaaact agtatagtca taaacatgta ccacatggaa gtttatcttc aagtttactt 120
actactatct tcgaagtcta ttgaaggcctt agccaactta gttgccaca aggctaaagc 180
cataatagta gatactagtc aacgtgatca ttgaccctgc catctcctcc accagaaggg 240
tgtcctagct ccctgtaat gaggaggtgt aagagtatca agcattgttt ccttctcttt 300
tgggtcaat ggaacacccctc taacaagggt taaagccatg atatggacat tagtctttg 360
tttattgcctg ttgtaagccc atactcctgc agctgacctg ca 402

<210> 2162
<211> 446
<212> DNA
<213> Glycine max

<400> 2162

tgaactctag tgtgtgtgtg tgatgtgtgc aaggttcca tcttgtaaga gttatgtaca 60
cttagggtgc gttgaccta ttcaactctc cccttccttt tattttttat tgtattgctt 120
tggaaatgtgt aaaacctccg tccagtcatg ctgaaaacggg tttccaaaca cacacttac 180
cactaacaag tgatatagtt tcctgagtgt aagtctaatt tagttaatac agatcaaatt 240
tcattttctt ccattatatac gcttcaaaac aattgtgttg acgtacacac ttgaatccaa 300
aaacaattgt attgacgcat tcttacgtgt atctttgaaa gggaaataaa gagatccgtc 360
aacactgagg acgcgttcgg caacggagat atctttttat atttggaaaaa taccatttg 420
gagacagtct atctatcgga atcttg 446

<210> 2163

<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2163

agctntaaag gaaatctata ttngnctctt gtcctatntt cttgcataatg gaattttgtt 60
ggattgtgc tcactcctt gagtatggat caattggat ctctatttag atatttctg 120
agagaagagg tcaatggaag gcagcagctc aatcccagga atttattcga acactacagc 180
gttattataa caacacatat ttagatggtg ataagcaaaa agcaattaac ttgtaagtca 240
aataagccaa ttttttattt gtatttacaa ctgtttcat atgtaatatg gtttacagca 300
aacacaagtt atgtatataat gtgattgcat tataatgatt tactaattgg tgggtctgat 360
tttgggttgc tcacactc 378

<210> 2164
<211> 438
<212> DNA
<213> Glycine max

<400> 2164

tcaacgcaga taatcacttc ctaacattac gcagggttat acttatattg gttcaaaaat 60
catcaactta tcatttaca ataactaatg tttgcatta aagaaatgca cactgcacaa 120
tatcatcgaa atttcagaga aatggtgaac aacaaggaat gacttaacca aattatagtg 180
atataggaat atctctaact tgcatttaca aaccctatacg atactcacta tattaaccta 240
tacattatct gcatggatag gcagtctgctg cctgttcatg aaagtttaca aataaaaaaag 300
accatcaact gatccaatat atgtcatttg atgatagacc atctggttat aataattcta 360
tttgacaaca aaatactaca tattaaccat aggttacaca aactaacact agcacaaaaat 420
aagcttaaat ttcaaagt 438

<210> 2165
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2165

agcttgtgtg atgaatataa acgaactaga tacaacccca atatgtttga ctntcttctt 60
tcgtggatca agatgacacc accatattac ggtcttgcta ggcctgtcga gatntatcaa 120
gtgttgtcca attttgatgt ccagtcggag gattntaagg agactttacc tgctgccaag 180
tcacctatga ccgtgctcac ggtaactcgc actttcccat tagggactag atgtcctcta 240
tgcttagaga ttgctgtgaa acagggtaca tcgtctgaag tagggattcg agcttattat 300
ttgaaggacc aaaaggatcc agagctgatg gaggaggaca cagaggagac tcctaacggc 360
gatcttgcta ggagttcagt gtagtttgat tgtttgagtt tcatgggtta gacagtgcgg 420
tacaatgg 428

<210> 2166
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2166

tgtaggattt tgggttaccc atcacatgtg gtacttaggtg tcggtcggc gatggtgcac 60
aacaagttt ccaaattccac aatgcgcgca taaacccacc atcccctgta gcccacctcc 120
aactgagctc acgtactccc acgtagccca tatcctcggt tctctcaaca cgggtcccc 180
atcaatcctc ccaaacttcc ccaacatcaa agcaatacaa cattcaaaca gcaaaaacta 240
tcacagccaa gaaaacagag caaaggcaga aaactctgcc aaaacaccaa caaaaatcac 300
agctttctc acttaaagac cccagtaaca attcctcggt tccaattcggt taaccgttgg 360
atcgactcca aatttttact ggaagtctct agtacataag cctacattnt gaccgttggg 420
atctactagc aaacatccag aactcattct gcactg 456

<210> 2167
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2167

agctntgacc aaaccccaagt agcagttgtt ttcttagaga cttgcctcag caccttgcct 60
ctgagattaa ggataattgc attgtgttcc ttctgcaata gtgctttctt atccccatca 120

gccccatcatct tttcgagttt ggcttctcca tcaagtgcctt ccaccaggcc ctgctgaaca 180
agaaaaagctc tcatacttcaa tcgccataac ccanaatcat tttgcctgt gaattttca 240
acctcatact tggccgagcc catttcttga atcgaactca aaatcgatcc acactcaccg 300
caccaatttg ttgtgccaag atcagattt acttcacaaa agaatgagtt tcctgtatga 360
acaagaataa gcaaaatgca gaaaaatgaa ccataaactg cacagaactc acaacagtca 420

<210> 2168
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2168

tgctcaagat tccttattga atttgcaggat ttttgacca atgaatattt tgaaagttat 60
aagacaattt ggaaaaatggat ggataagaca atgttgtca gaaaaactct aaggaatttc 120
gtgtcccaag tcacctattt ataggccttt gatggtcatt caaaagctnt ctgaacagtt 180
gtgactcttg ggagttatTT ttgaaaattc cttaactggta atcgattaca taactgttgt 240
aatcgattac acagtttagtt ttgtggatgt tgactctt caaaactgaa atttgaattt 300
ttatgtctgg taatcgatta cacaaatggt gtaatcgatt acaggctttt aaaatttaaa 360
tttaaatttc taanagttgg tacaaatagt ttaaact 397

<210> 2169
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2169

agcttatcat taanataaaat ctaaatggnt gatgatgccat tgatctatat cttaattt 60
ttgtatgatt acttctatga tatgtctaaa aagatttgat tgattgctca tgattttcaa 120
aactattata ttcttattttc aaataaaaattt attttgatattt attaaaactt tctatgttaa 180
acaaaaatttcc atcttggtaa gtgttgatattt ttttttaca ctttagttttt agaaaaaaagt 240
gtcttagtaat cgattacattt cacatgtaat cgatacaggc agttaggtta agtgtatcg 300
attacaacat tccttgaatc gattacagag tgtctgtgtc tataaatcaa aatttcagaa 360

attgcgagaa cgcgatttct ccacaacacg accctaaaat tctaaactta gaactcgatt 420

<210>	2170
<211>	440
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 2170

ctnttagggtt tccaaactgt gttgtcactg caattatggc cagatttagct tcattttattt 60
ataattttc atttcaaatt tacaatttgt accactattt aatttctcaa ttggagtgcac 120
tattnaaaat tttcttagtaa agatattcgt gatctcatgc atcatgattt gaacatcttc 180
ttccagcata ttatagaaa aagaaatcag tgcgttggtt ggcttgcata acatgaagcc 240
acatctaattt atagtttcaa gtttttgagt gtttgaactt cccctttgc ctccgtgtgt 300
ttggtagatg ctacgagggt cttaagttt tctgtttctg ttttgtttcc tcctttccta 360
tgtgtatata taaaaaaaaaa gttgttgag ggactatagt ttcagcactt ctcaattttt 420
aaactataag ttttgaactt 440

<210>	2171
<211>	421
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 2171

<210> 2172

<211> 436
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2172

 ntactttgtg ctgcacatcgct acatgaatac tttatgtttg ataacaatat atacattca 60
 atgtatataaa aaatatttgct tatgtttctc acctacacat atcgccctcct attggttaca 120
 ggtaatacta tttgagaggc attggaaggt aacgcacatt tctctgggtg ttgcttcagt 180
 gaagatacat tcatacagtt tttaagctag catcaccgca ctacgggtt gtatgttggc 240
 attttactta attggatatt agaatttgtt taatatatga attatgatta ttatcaaatt 300
 gtatgcatta tgagtgaacc tagcttcctg tttgagggtc aatatagtga gtaatatgga 360
 caagttgcga taatcattgt ttcgatattg aatttcattt ggacaggtt gAACACTTAT 420
 ttttactta ttctag 436

 <210> 2173
 <211> 397
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2173

 gaagctctaa tatcttccac acttttttgtt gtgggccatt cttggatggc cttgattttc 60
 tcagggtcca cttggacccc atttctacca actaccaaac ctaaaaaaac tatatttatct 120
 acacaaaagg tacacttctc tatatttgca taaaaggtgt tttcctaag gactgaaaga 180
 acttgtctga gatggtctaa gtgatcatct agcctcctac tatacactaa aatatcatca 240
 aaataaaacaa ctacaaatct acctatgaaa tcccttaaga catgatgcat aagcctcata 300
 aaggtgcttgcgttgcatttagt gagccccaaa ggcattca ggcattcata caaaccaaac 360
 ttgggtcttga aagcagnnnn ccactcatca ccctttt 397

 <210> 2174
 <211> 415
 <212> DNA
 <213> Glycine max

 <400> 2174

ggcctgtccg atgcagcagt aatgatggcc cgagttatgt ttgttaacgg ttacgaaccc 60
ggaatgggtt taggcaaaga caacagcgcc ataactagct tgataaaatgc ctaaggaaat 120
cgtggaaagt atggttatg ctataaacc acctcaggcg 180
gaaagaaaaga gcgggttgtca aagctcgcc ttgaggcaag aaaggaaag aagccgc 240
tgccacatga gttagaagctt tgtagcacg ggtctggag acgaaggta actggtcg 300
atatacgaag atgaggatcc gagtacattt gatgtgagac aaccatgccc tgctgaattc 360
tagctggaa aatggcgagt ggaggaacgc ccctgcgtct acgcaacgag cataa 415

<210> 2175
<211> 394
<212> DNA
<213> Glycine max

<400> 2175
ttaattggc acctaaaaat tggaggctta agttggaaat ccaaggagaa gatgtgaga 60
ggactaccct ttattaaccc ccgtgaataa ctttggaaag gatggtaact tgaaaagcaa 120
tttaaatga gttttccaa ggaagcaaac ttatgagcta agaagccacc cgagctaata 180
catgctgaca tctggggcc aatcaagcca agctcaactag gtaaaaataa ctattcatt 240
ctttcattt atgattttc aagaaaaaca tggtttatt tcttaaagca aaaattaaaa 300
gtctttctt gcttcaagaa gttcaagct gcagtggaga aagaaaatga tcaagatatc 360
aaagccatga ggactgatcg aggaggataa ttca 394

<210> 2176
<211> 453
<212> DNA
<213> Glycine max

<400> 2176
tcggaagaaa gtatgaggt acaaggcccta aaggcagac ttgttagagt ccgagtagc 60
gaagagaagt tcaagtccat agccatcaaa agtctgaaaa gagtatgtg aactaaggaa 120
cgtcaatatg gccaccgctg atgccttggc acgagaaacc aagaaggccc aaaaggaaga 180
acacgtgccca gcaaagttt gagggcattt atagggcagc aatagtaagc tcaagctcc 240
aagaggtaa aggaatcatc acgggtcaaa ggcattatct tgaaggacga gctaaaggct 300

taccttatgt cgaaaagaaa tttgtcccaa cagttaagcg agactgaagg gaatatgtgg 360
gccgtcatcg atgagtgcaa agagaagcta aatcttagcg cgactcacga gcaaaggcta 420
gaggatgagt acgccaagat atcagcagaa agc 453

<210> 2177
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2177

agcttcttat ccaaggctta tcttggnngn gaagtcctt ctgcgtggc ttattcccta 60
gnngatgacg ctcctctca ctccttcctcc tttggcttct gctatatctc catggtgaa 120
aatcaccatt aaaggacttt attgaagttc aaagatccaa ctcctataga agctccacaa 180
gcaagcttcc atcaggaggt acgcttaggga agttactttg tttgtggct ggtttaggcc 240
taacaatatt aatgtctgaa gcagtaagcg agtgtgtgat tcgtgccacg aaactgaacg 300
gccaggaga ggagtgggtg tgtgaccgc atcgtggagc aatcaaggaa ggtgttaaag 360
acgggtggcg 369

<210> 2178
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2178

tcttgcgtag ccgcctttgg gctcagaaat ctanaaacaa atcccttta ttactagctt 60
ttttgaattc tttagttcct gaatgtacaa cttcaaaatt gttgttcatt gtaaacagca 120
caaagtggac ctgtctgtc tccaagaaac caaaagggag aaatttaata aaagtatttg 180
ccaggccatt tggggggact cgactgccc tttaggattat gttcttctg tgcaggctgc 240
tggtggccta ttatgtttgt ggaataactc catttttag gttggatagga gagagaaagg 300
tagaagttt ttaatgcttg aaaggacatg tattagtaat aatcagagga tgatgattgg 360
caatggctat 370

<210> 2179

<211> 370
<212> DNA
<213> Glycine max

<400> 2179

atttgacaga gcaacgccac acactggatc tcctataaga ctgaaaagca tgagggacac 60
ctcagataat catgcattat aaatgaaaca gcttacacag aatcacattg aagcctaaat 120
tttatctcac atcaatatat tttcgcatgg cgaacggcat gttactgagg aaatctcatt 180
gtcttgaaa tctacaagct gcaatcgaaa acaaattgtt tcacccaagt ccaaagcaat 240
gtacaatgca ttgcttcgga gtttcctgtc gaaatatgaa aactatgacg actatcattc 300
tattgctcga taactactta tgatcaccaa aaagatacgg acttacaccc gctggatttg 360
aggaatgcca 370

<210> 2180
<211> 447
<212> DNA
<213> Glycine max

<400> 2180

tgccaccagg ctcgcccagg tgagcttaggt tgcttcctct agaagcaacc gccttctaga 60
ggaatattct ggaaggccca agtgggcctg gttgctattt gaaccccccattttactaaaa 120
tacacctctt gctttttttt ggtgattctt ttaccgtaac gttatgaaat ttacaaattt 180
tcgtaacgt gcttggggcc ttccgtaat gttacgaaac cttacggatt acgtaatcat 240
ccctttttt cttccggaa cgttacgaaa cttacggat tgccactaa cacttccttt 300
tcaatttccg gcatgtcactg gaacttcacg gattgtgcta caatgccttc ttttgacttc 360
cgggatgtca cggaaacttca cgaattgcct aacgatgggt ggtcaaacga gggtcgcatc 420
ccaacaacgg atggcccccg gacaaaa 447

<210> 2181
<211> 424
<212> DNA
<213> Glycine max

<400> 2181

agctttcggt atatggtctt cgccggcaaa atgatcgaag tgggcttgca aagaagcaaa 60

tttggtcatc ctgctccgat aaaaactggg gcaaatgaag aggatgagaa tgagggagaa 120
accatgctg tgacagccat tcctatatgg ccaagttcc caccagccca acaatgtcat 180
tactcagcca ataacaaacc ttctccttac ccaccactca gttatccaca aaggccatcc 240
ctaaatcaac cacaagccc acctaccgca cttccaatga cgaacaccac cttagcaca 300
aacaaaaaca ccaaccaaga aatgatattt gcagcgaaaa agcctgcaga attcaccata 360
attccggtgg cctatgctga cttgctccca tatctacttg ataatgcaat ggtagctata 420
accc 424

<210> 2182
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2182

tagtanagct aagcactaac aatctctctc tttggcaaattntgtctaaa acatacttag 60
acacttcctg agcaggtacg agcagttatg caagtggat cagcaacttt cattatcaga 120
gtaatcaagc acagcggtat ctgttagtggc gacagcaaaa ttctgcaagt tgcaagtcgt 180
ttcccgatg tcaagacatc tcacgtgaca tcagcttct gctccccctg tctccatgct 240
cttactgctg tgaagcagtt cactgcagca tcttctatca gctactagtc tttccagga 300
tgtcaagaca tctcatgtga catcagctt ttgctcccc tgtctccatg ctcgtactgc 360
atcttctatc agctactagt ttcagtagct tacatcaatc atcatcagca gcagcagtct 420
gcccctagaa tcatatacat acaact 446

<210> 2183
<211> 229
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2183

tccgtactgt ctcatgcatt aattcacttg tgcataaga tttgtggtgt taatattaaa 60
atctttgggt gtgggaagtg gagaaaggac aaaacaacta ggttccctt tcctttctg 120
cattggagtg agaggtgctg actctccan aatagaacag tagagtttc cattttact 180

gttgttggca attgccagct tttccgtaac tttttcccc ctcgacatc

229

<210>	2184
<211>	448
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 2184

tgtaattggc atcgtaatgt ttgatattnt aaaaaattgt ttatatctgt tgtacgtgcc 60
cttcttacc tgcaatcaac aatttgtttt gtgaaatatt atcacattct gcctaattg 120
tgatttcct ctgcttatct caaaattagg aggcaaacc acc ttattgaata tagtgtgacc 180
tcaaaaatca ctgcaaaattt atgatatttc tgcgctgatt gagaagctga gctaaatata 240
cactgatttag ttgcaaatat aagatttaaa gttcggttcaa ttacaaacaa aatgcatcat 300
tgtgtcaaat gaattggatc tctctttgc aaattaatta tctgtatTTT ttatTTTct 360
tcttaatagt attgcagggc tcttcaggat gggacaagaa ttggagttt atctgaatga 420
caagtcttcc gtgggtctca gttccgat 448

<210>	2185
<211>	433
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 2185

agcttgcataatccatc ctcctacgtttatctcttag catgcattnt ctttctttct 60
ttacccactc ctcacgtttg gtttttaag gaaaaacacc ataactaaac gcgccacaag 120
gcattccatcgccaccatccaaatcttag aacgatgggt gatcaagagg agacacagga 180
acagatgaaa gccgacatgt cggctctgaa agaacaaatg gcctccatga tggaggccat 240
gttaggaatg aggcagctca tggaaaagaa tacggccacc gctgcccgt tcagttcggc 300
tgccgaagca gacccaactc tcttggcaac tgcgccaccat cctccctcan acatagtang 360
acggngaagg gacacgctgg ggcatgatgg caaccctcac ctgggatata accgagcggc 420
ttacccttat gga 433

<210> 2186

<211> 449.
<212> DNA
<213> Glycine max

<400> 2186

tgtcagttat aataataccg tggtagaca tcaagacaaa caatatacca taataacaag 60
gtttttttc caaacatcg tcacttggag gatatttcta gtgcaatcaa atagggtcaa 120
aagtcacaac aacaataatc tctcaaccaa aacatcaaga taaaacaata ggataatgca 180
taataatTTT aagataaaag cttctcataa actagatact taagtcaaga gtggatccc 240
tcatgcagta tgttagtaat tccaaattAAC actagggtgga ttattaaac atcatcatac 300
attctgttta aaagccacct aagtacttTC ttccagaaga tgagtcttca aagttggcaa 360
tcctactggg acaaaaaaaga caaaacgatg cctcaaaagg acatatctat taatttccac 420
ctcctcctaa catatgaaga ggggaagga 449

<210> 2187
<211> 417
<212> DNA
<213> Glycine max

<400> 2187

agtttgtggt tggccttaa gtttcagagt atacatTTT ttcttcctt agttaagtaa 60
tttagaaaaat tttagtagta ggagtattAG tagtacaact atgatggaat agaattcatg 120
gccagcgagt tcccaccttA atctgttggA taactgaAGC tagttatgtt cacaaaAGCT 180
tcaatctaag aagaccatAT tatccccGta aaatggccCA ttaagtgtGA ttggaaACat 240
aggcacatGC aaatttcatG tgTTTAGtt aacaacaACT tagttatCtt tagtcttgC 300
taagcaaatG gacagaaACA tgagtgtCTA aagaAGATCC aagcccATA aaccttGAAG 360
tttagagaa taataaAGAA tgagagAGTT atatggCTT taaaattGT gaaAGGA 417

<210> 2188
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2188

tgtgtgaatc anatcactcc tgcattntat ctcttagcatg cattcattct tctttaccta 60

ctcctcacgt ttggaaaaaaca ccataactaa acgcgctaca aggcacccct 120
atcgaccagg atccaaatct agaacatgg gtgatcaaga ggagacacag gaacagatga 180
aagccgacat gtcggctctg aaagaacaaa tggcttccat gatggaggcc atgttaggaa 240
tgaggcagct catggagaaa aacgtggccg ccgctgtcag ttcgactgcc gaagcagacc 300
caactctttt ggctaccgcg cgccatccctc cctcaaacac agtaggacgg ntaggtaca 360
cgctggggca cgacggcaac cctcatctgg gatacaaccg aacggcttac ccttatggat 420
tgcaccta tactcacca 439

<210> 2189
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2189

agcttatcaa atatgatttt gggcccaata atatctggtg gcccaattac aaaaatacaa 60
ccccaaaaacg aaataaaata aaactggacg acaaataaaa ttgtctgctc tcttcaagtc 120
caagccggtt cagcccaatt gctttaatt ctccctgaaat taaattaaaa cacagaatta 180
gtcaagttagg cccaaatgat aaaactgcat aatttatttg acaattaagg ctaatcgtta 240
attaaaaatgg tgacagaaaag gggtaagaaa taggagaaaa taatgacaca tcagagagca 300
ggcacaaaaga ttgggttagt aacttaaacg agcgataact ccctatccnc tcatgtctta 360
accaagttac tatcgttcc ctccttttt actctttaca acaactctgt aca 413

<210> 2190
<211> 397
<212> DNA
<213> Glycine max

<400> 2190

tccttgagaa gattccttga gaagattcct aaagaagcta gagcttagct acatacacct 60
ctctaatagg aaagctcacc ttcttgagat gagaagctag agcttagcta caccccctat 120
aatagctaag ctcaccccta tcccaaaaat acatgaaaat aaaaaaaaaa agtccctact 180
acaaagacta ctcaaaaatgc cctgaaatac aaggctaaaa ctctatacta ctagaatggc 240

caaaaatacaa ggcccgaaag aaggaaaaac ctattctaat atgtacaaag ataaggcaggc 300
tcataacttag ctcatgggct cgaaatctat cctaaggcta atgagaaccc tagggcttc 360
ccttggatct ctggcccaat ctacttggag tcttctta 397

<210> 2191
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2191

agctntgagc caaaaatccta tctcaccata ttaaagagaa gggaaatttcc aatcatagag 60
aaagcaaaaa aaaaaaaaaaag agaagaaaaa tttccaatca aaggaaaaaag gagaggaaag 120
gaaattccca atcaaagagt gggagaaaga aaaaaaaaaaag aaagaaaaatt cccaaccaaa 180
gaatgggaga aagtaaaaaa aaaagaaaagc tcctggtcaa agaaaccaga aaaaatgtgc 240
agagaggtct ttggaccaga caatatctga acaatacaga attgtcacca aatgaacaaa 300
agaaagaaaa gggaaaccata acctaaaagt ggtcttctcc ctttgattac cagccaaaat 360
cctgtgcgtc ggtgacttgc tcgcctcgcg tcaaacaaaa acagaaaaagg aaaagctcaa 420
acaca 425

<210> 2192
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2192

ntgatattgg taagtaaatg cctcanaact totattatat ttcctgttcc tgaagtacgt 60
tnnnnctcac taacatctct ttttataaca ttaatctctt taatcctctc atttgtacta 120
attactttat cttacatttt tcttcctttt cttctcatct cttttctat taaaaaagt 180
gccccgatttt gtttatataaa tgcaatttct ctttcattt taccaaactc tatataaaga 240
tattttattt gtttcaccag gacatatttgc ctgctggAAC tgataacttca gcatcaacac 300
tagagtgggc tatggcagaa atgatgagaa atccaagagt gagggagaaa gcacaagctg 360
aattgagaca agctcttcga gaaaaggaaa taattcatga aagtgtatca gagcaactta 420

<210> 2193
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2193

agcttganga ttatggngta cccatcatat gtggtaactag gtggcggncc ggcgatggtg 60
cacaacaagt tttccacatc cacaaagcgc acataaaaccc accatccctt gttgccacc 120
tccaactgag ctcacgtact cccacgtgc ccataaacctc gtttctctca acaccgggtc 180
cccatcaatc ctccccagct tcccccaacat caaagtaata caacattcaa acagcacaag 240
ctatcacagc caagcaaaac agggcaaagg cagaaaactc tgcccaaaac accaaccaaa 300
atcacagctt ttcacataca aatacccccag aaacatttcc ttcgttctca ttcgttaacc 360
gttggatcaa ctcgaaattt tactggaagt ctctagtaca taatttctaca t 411

<210> 2194
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2194

tcaacatcag accacttcca gggtgctgga tctacttcac atggacttga tggggcctat 60
gcaagttgaa agccttggag gaaaaaggta tgcctatgtt gttgtggatg atttctccag 120
atttacctgn gtcaacttta tcagagagaa atcggacacc tttgaagtat tcaaggagtt 180
gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcanga gtgaccatgg 240
cagagagttt gaaaactgca agtttactga attctgcaca tctgaaggca tcactcatga 300
gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa acaggacttt 360
gcaagaagct gctatggtca tgcttcatgc caaagaactt tcctatgatc tctgggctga 420
agccatgaac acagcat 437

<210> 2195
<211> 442
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 2195

agcttaggaa cccaaagctct taacttcaat gcttggaaagc atgacttatg cctaanaatc 60
taagtttgg ttntgaaaagt ggaaaggcat gaaaatttagg acatgcttga gagggtttt 120
tactaaaatt tggctcccc atgagggata cttgcacatc aggttagcatg gaaaatacct 180
ttcaatgtgt cataccctaa tttcgccgg ngaccttgc ttgatgacat gcgaccttc 240
tttggtcctt gtgaggtgct tgacaccat cattaggcag tttgtaaaat tccaggacat 300
gtcggaaaat caaaaaaaata ttgatgcaca atccgtaagt ttccgtgaca caccggaaat 360
caaatttggaaag catcggttgc taattaatgt aggttccgta acattccgta agtcaaaaag 420
gggatggta tgtaatccgc aa 442

<210> 2196
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2196

ggacccaagt gcactgtcac tgganagagg gttcatggtg tatgtatgcg atttccaata 60
aagatctta taatgctgct tttgtatgtg agaagcaaaa gtacgcgtga gtgtgaatat 120
gattaccttgcgtgagaatt catcttaagg atacatgata gtagatataa taagaatgaa 180
gatgaggaag cataattaaa cgggattata gactcaaattg ctgaagtgtg cttatcattt 240
caaattatca atttccctta atgtgtctaa aaggctgagg caacaaatga agcaattttg 300
cgctctgaga cagtctggtg tgtggnttc tattggatta tttctgcctt ttgtgtgcct 360
gtttttcttc tactggtaa aatat 385

<210> 2197
<211> 371
<212> DNA
<213> Glycine max
<400> 2197

gctggaatca ttatcctat ctccgaccgc cgatgtgtga gtcccattct ttagtcttga 60

agaataccgg cctcgttagtg atgaacaatg agacggagga gctgattcct actctgggc 120
agaacagttg gagagtctgc atcgactata ggaagctgta ccacgttacc acaaaggacc 180
atcttcccct atcattcatt gaccacatgc ttgaacgcct ggcaggaaaa tctcactact 240
gttccttga tggatgttct ggtcatatgc agattactat tgctactgag gatcacgata 300
aaaccacatt cacctgcccc ttcagtactt ttgcctatat gaagatgcct ttccgactgc 360
gcaaaggccc t 371

<210> 2198
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2198

ctcgtacccg gtatcctcag agtcacctgc tgcatgcatt cttctgcatt caatttcgag 60
catctcaata tattacggga cttaatcgga catccgagtt aaaagtttatt gttgtttgca 120
tttgctacga gcttccgttt tcaattacga gcgtctcgat atattacggg actcaatcca 180
acctccgagt taaaagttat tgtcatttga atttgctacg agcttccgtt ntcaatttct 240
agtgtattga tatattacgg gacttgatcg aacattcgag taaaagtttga ttgtcatttgc 300
catttactca cagcttcgt tttcaatgac gagtgttcg atatattacg ggactcatcc 360
gagttgaaag tttagtgtcat ttgaatttgc cacgagcttc tgtttcaat nttaagttc 420
ttgatataatt tcgggactca atcggacatc cgagttaaa 459

<210> 2199
<211> 452
<212> DNA
<213> Glycine max

<400> 2199

tcattgccta acaagccaaac ttacaacagc aagccccaaag agactcagca taaggatgca 60
cagaccaaaatg ttgcgtatgt aaaaaaaaaatg tatgaccaaaatg tgaagggtgca aattgcaaaatg 120
aagaatgaaa gctatgccaa gcaagccaa aagaaaagggaa aggaagtggt acttgaaccc 180
ggtgatgatc ttggacattt gaggacaaat gttttccaaat aaggagggaa tgatgagaat 240
catgaaacag gccaaataca gtctaaaggc ccaagtggag aaggacgaag gcccaagtgg 300

agaaggacaa agcccccgag tggagaagga tgaaggccca agtggagaag gatgaaggcc 360
cataggcaga gacactatca agactattaa ttgatgtcgag aggccaagat taatttgaag 420
gccataata aatatgttct atctagttat aa 452

<210> 2200
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2200

agttgcctc anagaggtcc aggaaggaca agtcagccga aggaactagt tccgctccgg 60
agtatgatag tcaccgctt aggagtgctg tacaccagca gcgcttcgag gccatcaagg 120
gatggtcgtt tcttcggag cgacgcgtcc agtcagggc cgacgagttat actgatttcc 180
aggagaaat atggcgccgg cggtggcac cactggttac tcctatggcc aagtttgatc 240
cagaaatagt ctttgagttt tatgccaatg ctggccaac agaggagggc gtgcgtgaca 300
tgagatctg ggttaagggtt cagtggatcc cgtttgcgtc cgacgctatc aaccaactcc 360
taggatatcc gtttgttgc gaagagggcc aggaatgtga gtatggccag aggaggaacc 420
ggtctgtatgg gttcgatgag ga 442

<210> 2201
<211> 395
<212> DNA
<213> Glycine max

<400> 2201

gctgtatgaa gcgacactga cctaggccg cttatgataa ctattatgg gctgcggcat 60
tatcaataca acactggccg ccgtgtctgt taagacgaaa gtgagccact tattcagatc 120
atatacggc tgagacaatg attgcaccag cggatgacca cacggagtct accatactgt 180
atagcaatac aacactggcg ggcgtataacc tatgtggagt gacggatggc attctacacc 240
acacagcgga cattctgctt tatattgaac ttacccgaga ttatcctgga gtgtatgg 300
gataggactg aagagggatg tcatgagact tgtacagaag tgtgatataat gccaacgaca 360
taaataccgt cccactgctc ctgtgggttt actac 395

<210> 2202
<211> 405
<212> DNA
<213> Glycine max

<400> 2202

agcttggaaa tgaacaacag aagctcacga gatactacaa tggtcataac atgtcacacg 60
aaagtccgat tcaggtgcat aatatatcga gacgctcgaa atagaacatc ggaagctctc 120
gagaaattcc aatggtcata actttcaca cggaagtcct attcaggcgc ataatatatc 180
gagaagctgg aaattgaaca acgaaagctc tcgagagact caaatggta taacttgtca 240
cacggacgta cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgtatgg 300
tgtcgagata ttcaaattgtt cataacttgt cacacggaag ttgcatttag ggcataata 360
tatcgagacg cttgaaatga acaacggaag ctttgagaaa ctcaa 405

<210> 2203
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2203

tganattgaa caacggaagc tctcgagaaa ttcaaattgtt cataactttt caaacgaaag 60
tccgatttag gtgcataata tatcggaag cttgaaattt aacaacggaa gctttgaga 120
aattcaaattt gtcataactt atcacacaaa agtccgattt aggcgcataa tatatctaga 180
cactcgaaat tgaacaacgg aagctctcgaa gaaatttcaaa tggttataac ttatcacacc 240
gaagtccgat tcaggcgat aatatacga gacgctcgaa attgaacaac ggaagctctc 300
gagaaattca aatggtcata acttacaca cggaggtccg attccggcgc atagtatatc 360
gagacgctca taattgaaca acgaaagctc tcgagaaatt caaatgctca taacttatcc 420
cacggaaggt cgattcatgc gcatgatata tcta 454

<210> 2204
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2204

atactgtgtc actttntgta ccattataca tgtatTTCT tggcagaact cacgtttgga	60
cactagttt gtatTTcaaa agcacaactc ctcaattaag tgaaaagagt ttAAAATTgc	120
acaattttat gaagatttca agactctaca ctTgatcacg aacttggtag aattaccaaa	180
gctatggtaa tcaacatgac cacactttaga tgataacatc cctccttagaa caatgtcaaa	240
gatttgacaa tagtcgtgg atacttacca cgaccataat ggtcaagagc ttcaacatca	300
tttctaacca gtcATGGTgg atttaccaca accgtagtgc gctattcatg caaatatctn	360
tagaaagcta tata	374

<210> 2205

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2205

agcttccatg tgcagggtac gccatattct cttatcttca ggtaaccctaa tgccctgttgg	60
tttgagtagg tcaactgggg tttcatttt gaatcagctt cctagtgtac caagtatgac	120
aacagacaac atatctggca agtatgatgt gaagaagaaa gaaaatatac caattacaat	180
tgcaggtgat attgatggtg gaatgcttga tggccacctt aatgccctg ttggtgtttg	240
gcgcacattt ngagcttcaa aagttgtaaa accttcaaatt tcacctaaca tggaaagntgt	300
tccttccttt cctcataatt ctttcaatga agagggtatc ct当地tctatg gtctaaaggaa	360
accacttcag gagcttcttg atgggatagc attactcgtc caacaagcta tttcctttgt	420
tgatct	426

<210> 2206

<211> 364

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2206

tgtagaatgt ganataaata tatggagtct ctacggctt gggagaaaag atttcactgg 60
ggatatgaca gatattacaa ggacctgtaa ctcaaacaat 120

tttccttattt gttgcaccac ttccccataa cccatctgaa acaatatggg gtggcgtagc 180
atgcaggcat accatgtacc tgtgcgtcgc ctcatccact gtcgttaattg aaaggaacat 240
agttccattt ggattcaaat tcattttgat caatctatat gagaggagta gtactcaata 300
atggcactta attaatttag ccaatgagag agtgttaattg aatatatatt tgtcacgaca 360
cgta 364

<210> 2207
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2207

agcttaggga tggAACACTT acTTGGTGGT gatGAACAAA agTGCAAAAC ggaATCAA 60
aatGCNAAA aggATGACCC tagGGCTGCA aactCGTCAA tcccGTGGGT atGGCTTTG 120
aaAGGGGGGA aaAGATAgTT ttGAATGTAa aaACGCCCCC CCTTCGTCA ttCTTATAAT 180
ttGGTGCAGG ggtGGCTCGC ccAGCTGCC caggCGAGCT aacCTGCACA catTTTTT 240
ttTTTTTG agggAACAT taACCATGTC ccCTCCCTTC tCATGGATTa gcatCTTGC 300
taACTTGAAC ttACTTAGGT tagAATTAGG CGTTGATTAC ttATTCTTAC caATAGTAAA 360
agaAAAGC 367

<210> 2208
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2208

ntcctctnta ttCGTTcat tntcgatttc ttttcttccg tctttAACGC gctttaccg 60
tttatttaag ccgtttctc acctaataaa tgataaaaatg aatttcaacc gatcatttg 120
gttGtaatct catttaatca ctTTAAAAT gaaatctaac cgatcgTTca cgctataacc 180
tcggTTaaac aaaaaaaagt aaaataataa taaaataatc aaaatatctt gaaaaataat 240
aataaaaatga acaaaaatatc tttgaataaa ataaaacaaa aaaatcaatc ggacgtttt 300
tctttggaag ttccTTgaa tgaattgatt aataaccaa gtgaaactaa gactaanata 360

gactcacaaa tcaagtttg tccgaaaatc ac

392

<210> 2209

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2209

agctntntca tgtagaga tntctagaga gagaaaggta caagttcaa agagttcga 60

gagtgttac tatgcaaaga ctggcagaga actgagagtg aagaggaagc catcctgaga 120

gcatgagatg agtctatgag tgattatgag tgattagagg tggaggagag atccccacta 180

cttcgcatttc ttcaatcctt aattttctc ttctcttgc tggaaaggaa gcttcctaga 240

tatggagagc taaatcctct gttggttctt gctttaggt gcttgatgta aatacatgta 300

tatctattta atgatggttt atgtgttctc tgtgctatca gtatgtcatt caatattgga 360

aactggtctg attcttaaat cttgatagga catgcgctag ttatcgatt atcacgacgg 420

atc 423

<210> 2210

<211> 370

<212> DNA

<213> Glycine max

<400> 2210

tgaagggtgt tagcccacca tccttcata gtagaatact agtagtgtgt ctactattat 60

tgtcatcatt ttttctccg tcattgaggt gccacttgag ctgccaggta tctccaccc 120

tggcgatatt ctttgaaga attcgtgccccc ccttttgca catgtttgt agttgcattcc 180

tatccgaagc cattataccg acactgccta acgaaggca ccattaggta ctcccgaggaa 240

tggactcgtg aaggttccaa gtttagtgtac caggttaacaa ctacccagt aagactttct 300

tggaaaggaat gtatcaacaa ttccatctt tttgcgtatg ccccatctt ccgacaatac 360

atcttttagat 370

<210> 2211

<211> 372

<212> DNA

<213> Glycine max

<400> 2211

agcttattac tttttataa ttataaatt gattcagata tacattaatc aaggttccaa 60
taaactaatt gcaaatgtcg aacagaatat tgcaggcaat atggccaggt ctcagaattt 120
tggtaattta tgtaggcaaa gaaactaaaa gtgtaaccat aacctgtatt ttgactgaag 180
caccttgcatt tcctccaagt gaatttcttt ttggtaacaa ctaaattctt ttgttagat 240
aataatagac tcaccctccc agtgagtatc tttcggttt atctggttt ctgcttcctt 300
gctgcttcta gtaaggtaa caacgtctgg atcatcataa aataatctag gctgtcaaac 360
tatattacaa ca 372

<210> 2212

<211> 430

<212> DNA

<213> Glycine max

<400> 2212

ctacaatgga ttaggtatcc catttcaaca aaaaagattt acttaacaga ttaaattctg 60
caaaaatatt ttccaagttt gacatgaaat ccggattttt gcaaatccaa atacaagaat 120
cggataggtt caaattgctt ttacaatacc tttgggcaa tatgagtggg atgttatgcc 180
attcagtctg aagaacgccc cttcaacttt tcagaaaatt atgaatgata tttcaatcc 240
ttattataat ttatcattgtt ctacatgtgg aagcaatgcc ttccaagattt attttgatga 300
tgccaaagaa tcaagagtca tacaagtttca aagaatcaag atcaagatttcaag 360
attcaagaat aatcatgatc aagattcaag attcaaataa agaatcaaaa ctcaagattt 420
aagaatcaag 430

<210> 2213

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2213

agttcacca cgcttatgag cttggataa taagcttgaa gaggatgctt caatggagga 60
gaagaaaagag ggagagcaag agagaggggg gagcacgaaa tttaaggaag ataaaggag 120

agaagttgaa ctttgagttg tgtctcacaa gactctcatt catcaaagt aacaacaagt 180
ttacacatgc ttcttatntat agacttaggt a gtttccttga gaaaacttcc ttgagaaact 240
tctttgagaa aacttccttc ggaagctaga gcttagctac acacaccctt ctcataacta 300
agctcaccc tc tggagaagc ctccttgaga agattcctaa agaagctaga gcttagctac 360
acacaccctt ctaatagcta agctcacctt cttgagatga gaagctagac ct 412

<210> 2214
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2214

ntacaaagtt tacagttga ggccacagac atatggttcc atatcagact tatgttagtca 60
tgacaagaac cgaaaggccta tagatcgaca tccctgtttt ctgcatactat gtactgtaca 120
atcaccatct aacagactat cgctgatcta agattactcg accattggtt gtatgttgc 180
ccgaagtccc tctctaaact tcgaagccac gaccaaaagta gaaaggatgc gtcgtccatg 240
attttgttgg catcaaatgt gtcgttggag aagagtatct tattccgttg ctgccaata 300
gaccatgtga gagccagcca ccaccacctn cacctgttgc cccttacttc ctgagcaact 360
caaaa 365

<210> 2215
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2215

agttcgtgg caagccagt gatggaggac atggcttagat ggtgaaattt atngtggca 60
ttcataatca tgaattggcc aagtcatat ttggacatcc atatgtcggg cgattgacta 120
aagctgaaaa gatagttatt gctgacatga cgaagtcaat ggtcaaacca agaaacattc 180
tgctgactct aaaagagcac aatgccaata gttgtacgac aattaaacaa atatacaatg 240
cacaaagtgc atatcggtct tccataagag gagatgatac cgaaatgcaa catctaata 300
agcttcttgg aacggatc 318

<210> 2216
 <211> 293
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2216

ggaaggtgcg taccacca ttttcata gtaaaacact gataatgtgt ctactattat 60
 tgtgataatc tcttctctg tcattggagg tgccacttga gttgccaggt ctctcctcct 120
 ttngntgtat tcttgaaag atttgtcccc ctatggcac atattctata gtgcacatcct 180
 atctggagtc atatcagaat tgtactatta ctgcctaattg aaggcaacca ttatgtcctt 240
 tcaagaatgg actcgagaaa gttccaagtt agtgtaccaa gtaacagcta ccc 293

<210> 2217
 <211> 410
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2217

gtctcacat tgaacatgct catgcaacaa ttgttagtgc tggctatacg agacatctt 60
 ccaaacaag ttaggttagc gataactcgc ctgtgattnt tcttccatgc tatatgttagc 120
 aaagtcatgg atccagtcaa gtttgatgag ttggaaaatg aggccgcaat tatactgtgc 180
 cagttggaga tgtatccccc ccccgcttcc tttaacatca tgattcactt gattgtgc 240
 ctggtcagag aaatcaaata ctgtggcct gtttatctac ggtggatgta cccggttgag 300
 cgatacatga agatctaaa aggtataca aagaatctat atcatccaga agcattttt 360
 gttgagaggt acattgttga agaagccatt gaattttgtt cagaatactt 410

<210> 2218
 <211> 393
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2218

ttggctctcg ccagtgaaag gatcgatgtg ggtctgaaaa aaaaggctt atttgatcat 60
 catactatga tgactgagaa aactggggca aataatgagg gtgagaaaga gggagaaacc 120

catgctatga ctgccattcc tatacggcca agttcccac caacccaaca atgtcattac 180
tcagccaata acaaaccttc tccttaccta ccacccagtt atccacaaag gccatcccta 240
aatctaccac aaagtctgtc taccgcactt acaatgacga acaccaccc ttgctcatac 300
cataaacacc aaccaagaag tgaattttgc tgcgagaaag cctgtanaat tcaccccaat 360
tgcagtggtgc tatgctgact agcaccata tct 393

<210> 2219
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2219

gcaagcttgt tgaaattgcc atgtttgggt gagttataca tacccattct gtttatgg 60
tntgtatga tgggtatgc tgaaattgcc catggaaaac tggtagat 120
gaaatataga gtaacctag gttggaaag tgagaatgtg gtgttatgag tgaaaaaaga 180
gtgaggctt gagagttgga aggctaagtc tgaattctgt gtaatggaa gttaaatgt 240
agtttaact agttgaaat gtcattang acttggaga aagcttggac tggctagag 300
agaaaaacaa atgatcaaag tgaataaaga gcatttcta gggcaaaatt ggggttgaa 360
gagtcaaatt ttgattcggt ggaattttag gtgtaaattc agtttgagc 409

<210> 2220
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2220

gtgtatcga ttacactaat ttggtaatcg attaccagtg tttgtttctg aatataatcaa 60
aagatgtaac tctaaaaat gatTTTgac tctttcaat tggTTTaaag tttttctaaa 120
agtataact cttctaaatg gtcctttgg ccaaacatga agagtctata aaagcaaggc 180
tttgatttgc tttcaatac actttcacac ttattcaatc aatccttac aagccttgaa 240
tatcttgaa cttcttcctc ttctttgtac caaaagctt ctgaagttt tcggctttct 300
aaaccttgaa aacttgtgct attcatcctc ttcattctct tctcttttg ccgaaaagaa 360

ttcatcaagg actaaccgcc tgaattcttt ntgtgtctct cttctccctt ttccaaaaga 420
acaaaggact aaacgcctaa attat 445

<210> 2221
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2221

agttgctcat ctcgggttg aggggtggac aacatcctgc aacatggtgg tgatgaatcc 60
tctttgcac agaattaagg aggcaatgaa gggtaacct caaatatata taaaacaaaa 120
tctatgtaca cacacttana aagaagtgg aattgggtgt gtcacaaacg tgtatatgtt 180
cctcaacttg aaggtgacta aaaacaataa tattgcattc ttagaaatt aaagccttaa 240
aaaggattaa ttttttcta aaaaagaaaa caaattaaag acatcaagaa ggtgacataa 300
aaagaaagta gttagagagag agaaagtgtg tatgctgtgt tgtgttagct aagatgtgg 360
ngtgtatgag ggtgtcaaaa acagagaaag ttagttatgt gcatastat 408

<210> 2222
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2222

ntgatgggt tgagaagaaa tcacatgttt gtcattatca ttaagggaa gaatgtgaat 60
gtatgtatac atgatttga tgatgtcaaa agaagaatca aacaaggctc gcttcaagat 120
taatacaaga ttgttcaac aaacaaagcc ttgattcaag atttcttcaa gatcaagcct 180
tgcctcacaa taaaaggttt caagtcattc aaggcacatg taatcgatta ccaatggctt 240
gaaagtgtgt aatcgattac acatcatatg taatcgatta ccagagactc tgaacgttgg 300
gaattcaaat tttaaatgaa gggtcacaac tggtaagag aaacaactgt gtaatcgatt 360
acactaattc tgtaatcgat tactagagag gattttcaag agatatcgcc aacagtcaca 420
tcttatcatt tggat 435

<210> 2223
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2223

catgcaagct tataccaaatc aagttgaccc gatatgttgcatttacata tggatcttct 60
tgatccgtat aagctttacg gatcaacttg atccatatgg tttactcatg ctcatccagc 120
tntatggatc aacatgatcc gatatgactca tagggatcaa cttgatccat atgactcatt 180
cgatcaact tgagtgaatg gatatgttgc ccatttagtt aaaatgatga ggcaccaac 240
aaaaacgcta ggtgcaccta caatcacccct 270

<210> 2224
<211> 162
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2224

gcttccatca cgtgtggtcc gcgggtgcgg gacggaccaa tttatttggc ctgtgtataata 60
tagcggngtg gactggcccg gtccgctgcc aatgcgggct tatgcaggcg ggccttatga 120
aggacgggct ggtccgtttg cccaccctta gatataacttg gg 162

<210> 2225
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2225

cgtcatcaact ttcttccgaa gctntaacct cattgtctct cacagtcttt agattgggaa 60
gccaatccaa tccttgttgc cggactctca gccactttagt atagccgccc atgatcccat 120
tactgcttcc cctaaagctct ctgtcccttc ttacacgccgc atcccatgcc ttgcgaactc 180
cttggaggatc ccttagtgc tggtcactga aacctcgtgc gatgaaaggc gtatgcctt 240
cgtctgatgg tactcctctc atggacatc ctgcgtatga agatagaatc ctgattctc 300
cttccttcta gcgagggaac catttaacag ac 332

<210> 2226
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2226

tgacattgca tttggcacc tattttgaat ttccatgtct gtctctacat acataanaca 60
gtccccccat cccaatcttg caaaaccata ttcatatatac attgnggcat ttcaccgagc 120
acttgggtgg cgcaagtttg gacataaatt gcaagagaat gggggcaatg tggcatgcc 180
cattgcttca gaatacaaca tatgcctaag gccttctcat tcaaattcctc aactcaagaa 240
gtcaaggcata aaaacaaacc aaaattgccc cacanatata agcacgttct cacaatttat 300
agcaccaaaa gatgaagaaa atactccaat gggagcaaa aaaaactcaa ggattgaata 360
cttggtaggag tgagttagaaa caccaaaaat gaaagcaaaa tgcaaccaaa agt 413

<210> 2227
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2227

tttgatctcc tggggct ctatattgtg ggagtgtgct canatatatg gggcaatttt 60
ggtttggggctt cttgttgat taggttaat taggggttgg tatggatgg ccctaggcct 120
ataatgcatt ntgaaacaat gggacatgcc acattgtccc cggtcttgc ttattgacgc 180
ctaaacgcgc gcccaccaag tggtcggtgt aatgcctcaa tggcattagc gcgtgacttt 240
tgtaaaggaaa caacccgcgg ggcattttgg tttgacatat tttctattct tggaatatgt 300
attcattcccc gaaaaaggct atagatattt cccacatata ttcttaaggct agaaac 356

<210> 2228
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2228

tgaaaacact ntattnta aatcaacttgg ccaaaccctt gctaattctt ttatgaattc 60

cctcccta attctagtga tcatcttgat gttggactc gtaatcttga agaatggacc 120
cgaattttaa tcttggaaaag cccatttgca tcaattgcaa cacatcatca tgatcatcat 180
caaaacatca aagccaatgg catctacaca tgtgtcctcc accttccaga ttggagctat 240
gtctcacgat tgccataattg cgaccctaa acgcaaaacg acattctccc ctttttttc 300
agagaccat gaatgatat 319

<210> 2229
<211> 418
<212> DNA
<213> Glycine max

<400> 2229

agcttgggga tacccaactt tcttctatac tctctctttt gtcacaaaaca gtccttagca 60
cacttccttc tcaaactaaa attaacccaa agaagaaaca tgtcaggct ataatgacaa 120
gaagcaagaa agctagagag aatatgaagc aaaatggggg atccacttca gatgccacaa 180
aggaggttt tactaaagag aacctagtgc cagaaaaaaaaa ggttagaggaa agggagatac 240
taacatctcc caaggttaatgatttcc ctcaaagggt aaaaaataag caataagatg 300
agcagttaa aaagtttatt gatgtatga agagactgca catcaacatt tcttaattt 360
agattatttc acaaatgcca aaatatgtca agtacttata agacataactt tatagtaa 418

<210> 2230
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2230

cgagatgagg aagtgttcaa gggtgaaact tcctgctttt attgttgacc acagagtgg 60
acctggagat atgtcgccgc ggtcaggaga ccttggggac gtcagggtgg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
tgtatgtacct aagcaggcga gtcctggca gtcaacagat aaaaggaaca aagaccacaa 240
agcaaggagg cttgtggtgg ctggccagct gtgaactttt attgatatgt gggttatggc 300
ctctggtaat cgattaccaa gggtggtaa tcgattacaa ggcttanaaaa tgaagacagg 360

gggctaagat ggtctctggt aatcgattac cacgggatgt aatcgattac caggcttgaa 420
aacggagtca gga 433

<210> 2231
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2231

agcttcgggt gaacaaaatat aaaaatccctt tgtgcactnt tttcttttc ttccctttac 60
tttgctttgc acaaatttaa aaattgtttt ttgtccaaat cattaaatct atcatcttac 120
ccaaattaac aaaaaaaacc aaacattatt ttacccaaag cttttattaa gcaactatct 180
ttgaaacaaa agtcttaaat tgccaaagaa ttattcttc agaactgttgc cattttcatt 240
atgagcaact ttccattatg aactcgccctt tatgaattat ctccagaaac atttgcgttta 300
aaagaaaacct ataaaaagtt ttccaaaacc aatttaaccc cccttcttgc ggtatgttgc 360
tcacttcaag taaaaggatt gccttangaaat ttgtgaaaac tgatcttcac t 411

<210> 2232
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2232

cctcgcttct acaatctccc ncttttgat gatgacaaac ctataatcaa gaatcgccata 60
caagctctat cttctaatca atcactcaact taattccgcc cctttgtttt tgaatntaag 120
cttcacttga aatataatgtt gagttcttga ttatccca actttctctc cccctttgg 180
atcaacaaaa aggccaaagt gtgttgtgac ataaaaatcat acacaaatgt attcatgcaa 240
gagaaaaagga gaaactgttta gacatgtggc ctcataatgtt taagaggat aagcttagaa 300
tgcagaagaa gtagcaatca attaataat attctttaaa catgcaagac aaaatttgat 360
gcaataaaaat gaatgagata agggaaagaga gaatgcaaac acagttttta tact 414

<210> 2233
<211> 347
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 2233

agcttacccc tcattgtacc aacaagtgtc cttatgaggt tctcttgcc tccaaacccg 60
attgccataa tctntgtgtt tttggagtc tatgttatcc atggctacgc ccttactcaa 120
ataaaaagcat gccatgtgtg tttctaggta cctctccccca acaccatgca tacgaatgct 180
atcatattct aactcaaaaa atataccctct cttagacatgt tgtcttcat gaatcaatct 240
tcccctcact acgcctcatt tggtccctac cttcccaacc tcaaaccatg atatgacctt 300
acttatctct tgccatcctc tcatactaca acaactccat acaaaca 347

<210> 2234
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2234

ntcgttaggtg aaatcaggtg cagccatttc ccttagagtc ctctcacggn gtggaggttg 60
tgccatgttc tcagaatgtg caaaatcaga atgctcagaa tcagaatgct caaaattata 120
atgctcaaga tcaggatgtt caaaatcacc aataacagaa tgcacagatt caccagtaat 180
ggaatgctca gaatgatcaa aaggtataaa atgatgccta actaatctat gaaatgtcct 240
atctatctca ggatcaaagg gttgtaagtc agatggattt cctctagtca tacactacat 300
tcagaaagca cacaactagt tgccttgtca tggaaataaa ggtgttaggtt tgaactacag 360
ctaccctcaa atgatatcca aatgacttga aattttgtga gcaacccttat ataatgatga 420
gaagatagca canaaaattt c 441

<210> 2235
<211> 349
<212> DNA
<213> Glycine max
<400> 2235

agcttgagaa tggagaattt cactaagcaa tctctacgca tagctccaaa ctcgaaggta 60
gaggacacat gaacgaaaac acaattcatg gtgctccgaa aaaggggttg agaatggaga 120

attacactaa gcaatcacta cgcatagctc caaacttcaa agtggaggac acatgaacga 180
taacgctatt catggtgctc cgacaagatt gagaatggag aattgcacta cgcaatcact 240
acgcatact ccaaacgcga aggtggagga cacatgaatg aaaacgctat tcatggtgct 300
tcgaaaagat tgagaatgga gaaatgcact aagcaatcac tacgcata 349

<210> 2236
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2236

nnttggtctt aaataaaagg tttccctctt tttctattat tttattcaag ctctaccaca 60
tgtccctatt tgattggagc aaaaaggccc cactttctct ttttactgt gaccatact 120
cagtcacaaa agtgagaaaa atctgacctt tgaaacgcta aaatcctgcc tcggtttgcg 180
tgccgtttct ctgggtccag tttctcgctt ttctctgcgt ccgtcggggc cagtttcga 240
aagcaagcaa tatgtatatc aaaacgctca gaatgaaacc ccgagcgtgg tttagaggtt 300
ggtttcgtta aatttaagt cgcacgcaaa acgatgatct ttaact 346

<210> 2237
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2237

ncaagcttga gcaaattcaa acgacaataa cnnttcactc ggatgtctga ttgagtcccg 60
taatatatcg agactctcaa aatggaattt cgaagctctg agcaaattca aacgacaata 120
acttttact cgtatgtctg attgagtcct gcattatatc gagaccctcg aaattgaata 180
ccgaagctct gatccaattc aaacgacaat aacttttac tcggatgtct gattgagtcc 240
cgtaatatat cgagaacgct cgaattgaat attgaagctc tgaacaaatt caaattacaa 300
taacttttc ctcggatgtc tgattcagtc tcgtaatata tcgagacgct tggactagat 360
tgccgaagct ttgagcaaat tcaaacgaca atatacttt act 403

<210> 2238

<211> 412
<212> DNA
<213> Glycine max

<400> 2238

tctattctga atttcaagcg tctcgatata ctatggact ttatcgaaca tccgagtaaa 60
aagttattat cggttggaaatt tgctaagaac atccgttttc aattacgagc gtctcgatata 120
actacgggac ataatcggtat atctgagtaa aaagttatttg tcgtttcaat tttctaagag 180
catctatttc aattttgagt gtctcgatata attacggaa tcaatcgca tctgagttaa 240
aagttattgt catttgaatt tgctacgagc atatgttctc agttacgagc gtctcgatata 300
accacgggac acaatcaaag atccgagtaa aaagttatttg tcgtttgaat ttgcacagag 360
cttctgtttt cagtttcgag catctcgata tattacagga ctcaatcgga ca 412

<210> 2239
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2239

agagaaaaatg tccgatttat ttttgtgctt cattttacta aaagatataat ttttttatta 60
ttatattattt attttacctc tttntttta ttccaacgt gtttatggca cgaccaaacg 120
gtggaaattc atttaacaa aaattaacga atactacaat tcaaattgtat ggtggaaatt 180
tatttttta gattacgcgc gaaatgactt aaataaatga ctgaaggcacg tcaaaagggtg 240
gtacgaaaag aaaatgaaac gagaataaaa gtacacaaaa taaatgggca ccaccacggg 300
ta 302

<210> 2240
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2240

ntgaatgcac tattcaatgg agttgacaag aacatcttct gtctgatcaa cacttgcaca 60
gtggctttag atgcataggaa gatcctgaaa atcactcatg aaggaacctg caaagtgaag 120

atgtccagat tgcaactctt ggctacaaaa ttcgaatatc tgaagatgaa ggatgaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgac tgccttggga 240
gagaggataa cagatgaaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300
gacatgacag tcactgcaat agaggaggcc caagacattt gcaacatgag agttgatgaa 360
ctcattggtt ctcttcaaacc ctttgagcta agactctcng atagggctga aaagaagagc 420
aagaatctag cttcgtgtc caatgat 447

<210> 2241
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2241

gcttgacttg gcgaatatga tttagccta tggttcactt tagttattag tcaattcaat 60
taagaatgag aaatccaaa gagaacatgt ccgattgatt tttgtgcttc attttactaa 120
aagatatatt ttttatttat tatattatta ttttacctct tttttttat ttccaacgtg 180
gttatggcac gaccAACGG cgGGAATTCA ttntaacaaa aattaacgaa tactacaatt 240
caaATGATCG GCGGAAATTt atttttttag attaggcgCG aaATGACTTA aATAAATGAC 300
tgaAGCACGT CAAAAGGTGG tacGAAAAGA aaATGAAACG agaATAAAAG tacacaaaaaa 360
aaATGGGGAC caccacGGGT acAGAGAATG aattgaaaaaa gcttgattcg gaaacttacc 420
cgtt 424

<210> 2242
<211> 377
<212> DNA
<213> Glycine max

<400> 2242

tgcttgaatg cactattcaa tggagttgac aagaacatct tcttattgtt caacacttgc 60
tttagggcca ttgatgcattt ggagatcctg aaaatcactc atgaaggaac ctccaaagcg 120
atgatgttca cattgcaact cttggctaca aaattcgaat atctgaacat gaaggaggaa 180
gagtgtattc atgacttcca catgaacatt ctatgaaatt gccaaatgctt gcactgcctt 240
gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatact tgcctaagag 300

atctgacatg aaagacactg ctatatatga ggcccaagac atttgcaaca tgagagttat 360
gaactcattg gttctct 377

<210> 2243
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2243

acgttcaata tctgctggta atcgattact catatatgtg taatcgatta cacagtgc当地 60
atntttgaat tcaaattttt atagctgttg taaatcagtt ttggccactg gtaatcgatt 120
accagagagt aaatttattg taaaagactt tttaacttaa atttcttggc caaaccttt 180
gctacttcaa ttgaaattcc cttccttattt aatataccct ttctaagatt ctagagactg 240
tcttgatcat ccatcttgaa tatcttgat ttctttgtct tgaataaagc tttgtgaaac 300
atgtaaccct ttggcatcat caaaacatca gcttgatcct ttgtctacac agacgacgtc 360
aagtcctatg aagcacatac aaggacattg agtcctataa aagacaaaag acattgaagt 420
ctttgaaatg t 431

<210> 2244
<211> 417
<212> DNA
<213> Glycine max

<400> 2244

gattgagtca tgaatcaaga ttgactcatg atgatgaatc gagattgatt tttgtgattt 60
gatgataaca aagatgatga caataagccc aagagaatga cttctagatt gagtcaagaa 120
caattcaaga attaagaatt aagttcaag tttcaagttt caagaatcaa gaatcaagaa 180
taatcaagat caagattcaa gactcaagat tcaagaatca agaaaagact caatcaagat 240
aagtactaaa aagttttca gaacatggag tagcacatga attcacaaaa gctttacca 300
aagagtttt actctttggc aatcgattac cagttactg taatcaatta ccagtagcaa 360
agtttggttt caaaagctgt cagactgaat ttacaacgtt ccaattaatt tcaaaaat 417

<210> 2245

<211> 436
<212> DNA
<213> Glycine max

<400> 2245

tgcaagctt aacatcaagg tgtttccat gaagtacgaa tcttcatctg agggtttgtt 60
gcaaatacgta cctttcttgg ttccatacat tttcacattt ccaagaagag tttttggag 120
gatgggtgtat taagtgtatga tgagaatatc tgccatcaag caagagctt gagtttctgg 180
atgaaaatgcc aacaactcag aatattgctg ctgggaaggt gccacctgtg gctatcatca 240
tctctcatca gaatcttggta ggtgatgtaa gttcaatttt cagtagacact tacaaggcaa 300
tcatatgccc tctgggacag tcttacttgc aaggaaactg atctctatgg acatgaaaat 360
aatgcactac cagagcaaga tagttatagt tatagagctt cgaaggctga gaaaactaag 420
tcatgaaaat gtaatg 436

<210> 2246
<211> 444
<212> DNA
<213> Glycine max

<400> 2246

tgtgtaggct ccatcttatcc atgttgtctc tccctaatct catgcattt tattcaagtg 60
gccgtagaat gtagagagat tgaaatcatt aatgttcatt caaaatctt gtgacccaa 120
ccatagtaga attctgagtc tacactggaa gagagggctt gggcacttca tgtttcttct 180
tcatccgttg ctccctata acaattttt cctcctcatt ttgttgatgg gcaggcttt 240
tggtttggac ctccctta tgctccctaa ggatcctttt aaccttcata gcaaggccaa 300
aagtttccaa agccttgcct ttattagcaa tagccttggc cagtttcttc tgccttttt 360
gccgaatgtc atccttagttc actagaggaa taagtatgtt cctcttgatg tcaaccttca 420
ttaccttcag gtttacaaca ctga 444

<210> 2247
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2247

catgcaagct tgcccaagaa acaaagatag cgtggattaa gctcagagct gtatagtAAC 60
gttacacccg attgtaaagg cctttcttga actatacAGC tgcttatATAA aaaacCTCCA 120
ccgccagtgat ctgacagaga ttatTTATGT gtgcTTAAG aattattaAT aaatCTTCTT 180
gttcttacgt ttgcTTTCTT gtgtgcATTt gttcATTtGT ctacCTTCTT ttNTTTCCTC 240
ttctggatgc agagTTTcat acTTTGTtTT ttaaaaAGAA aatcgTTcat tatgcTTTAT 300
tttacatcta gcagtacaca aacagaaAGA gctaATgtGT ttttAATGC tacgtggTTG 360
tctcacCTAC tgataCTATA tntgtcgcAG gagTggTgtT ttgttgagAG ccacaACTTG 420
aagctcaACA acCTTCGATC ATG 443

<210> 2248
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2248

catcacatgc cattgCTTcg ttgatgaggt tgctgtgatc gagattgCG gcattatAGC 60
gccacacgTC ttcaccgtGA gcCTTgCAA atgaggGGTT gccattggCC atgacgCgAG 120
caCTcagact gtGCCaAGGT gCcagcatta caggactact ctCCAGCAAG agaaaaACTAG 180
ccatgCTgtG ttGCCGTTt CTcatcaATC gacgagacAG agCTgattGA gaatAGCCCC 240
tgctgcACCC gTCgcCTTtG aatATCTTC ttgcacCAA gaacCTCATG atgcgCTTCA 300
gatgtGAAGT atCACACCCt AAACttGATG atATCTCCGA tagtGTcatG ggacttCCAT 360
gCTTCTCTAT ggCTTCAGCT atGCCAAGCT caatcgCACA ttNTTATCAct 410

<210> 2249
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2249

agCTTCTCCA tattCTgtAA tCCataAGAT tatgtAAATTt tCTCTCAGCT ctCCATTtAT 60
gataAAATAAG aattCTCTAC attATATTG gcATTATATC tggatCAACT acaatgACAG 120
tacAAATGAG gataAAAGTC atAAAACAAA caatgAGGAG cataCTGAGG gacaAGACAA 180

acatattgtg cagaanagca atctgatgtt acctcctcca aacttctaga ccagagtat 240
ttttctttan atgcctaatt tgcttccttt gaattttta 279

<210> 2250
<211> 295
<212> DNA
<213> Glycine max

<400> 2250

attgagcgaa taaaatcggt gattgaaatt gcacactca tttgcaaaca tggctaagac 60
caaaggatta tgcgggcct tatgtcacga tactggcaga tgttagggca taggagaacg 120
ggatgatttc gatgatgctc tgcagcggt accgcctact gcattcgac ggaggcaacg 180
agtacctgtg actgtggcgc acgatgaact attgaaccct acgccagatg tttatgtga 240
cccgatggag gcaccaactg gtgttaaggac attgtggcag acatttctgt ggaca 295

<210> 2251
<211> 359
<212> DNA
<213> Glycine max

<400> 2251

agttctttg gaccttgaac aagcaattaa cttcttttc agaaccatgc tatgtgctcg 60
tgactggtcc atttcttccc ttgcactt gagttcgcta ttgctacccc atagagctcg 120
gcgaaattta tcccgccat actcttcctt gcgagccctc ttggctctt gttcaaggc 180
tcttgcggtt attgcattct ctccccgtaa cccggcacac tccttccaaa atgtgtgttg 240
cggccaaactt gaactttcc tcggctaatt tcgccttcc taactcgctt ttgagaagct 300
ggacttcttc gtccctttcc cgtgctcaa aactttcttc gctgacgact tttaacttg 359

<210> 2252
<211> 448
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2252

tgttaggatta tggngtaccc atcacatgtg gtacttaggtg tcggtcggc tatggtgac 60

aacaagttt ccacatccac aaagcacaca taaacccacc atcccctgtt gcccacctcc 120
aactgaggc acgtactccc acgttagccca tatcctcttt tctctcaaca cgggtcccc 180
atcaatcctc ccaagcttcc ccaacatcaa agtaatacaa cattgcaca gcacaagcta 240
tcacagccaa gcaaaacagg gcaaaggcag aaaactctgc tcaaaacacc aaccaaaaatc 300
acagctttc ttacttaag actccagtaa caattccttc gttccaattc gttaaccgtt 360
ggatcgactc gaanattta ctggaagtct ctgactta agcctacatt gtgaccgttg 420
ggatctacta agcaacatcc agaacaca 448

<210> 2253
<211> 397
<212> DNA
<213> Glycine max

<400> 2253

agcttcaaga ttaagatggc ctcagcaa at tccttatttc cggaaggaa ttctatcaat 60
agacctccaa tcttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120
atcgaggcaa tagatctaaa tatctggaa gccatagaaa tagggccta tataccacc 180
acagtagaaa gagttcaat agatgatagt tcatcaagtg aaagcataac catagaaaaa 240
cctaaagata gatggctga agaggataga aaaagagtac aatacaactt aaaagccaaa 300
aacataataa catctgccct aggaatggat gaatattca cggttcaaa ttgtaagagt 360
gctaaggaaa tgtggacac tttcgatta acacatg 397

<210> 2254
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2254

tgaaccaaaa ccggtgagag tgtgaccta aactgtgagt gaacgactag ctatgagtag 60
taatcttgc atgaatctct gaattttaga atgagatgca taaatttaga tatgtgaag 120
gccatgattg tacatacaca caagccttt gaccaaaaag cttaccttga atgataatta 180
tatccttgc acccatttg agctgaatga tattgtcaaa aatttgaacc ctgaatttaa 240
ataaaatatct ctagataacct tgcttagatt ctaggagagc atatcgatca aggcaaattt 300

accccaaatt tgggggagtg gaactaattt ggtatcaaag aanaagagaa agcgtcagca 360
cataacaaca ataagttgtt tgctaaaaag agagagaaga aaagaataaa gtgtgctgat 420
g 421

<210> 2255
<211> 340
<212> DNA
<213> Glycine max

<400> 2255

agcttcttag tttcagatga tactgctgag ttttagctt cctcatgcac tcctctaatt 60
actatagcat catttatggc gctaaactgc tggagttgg aagccatctt ctcaattaaa 120
tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgaa gaagaagctg ctccgaaatc 240
tgatggtggg ggcaactggc acatagttt ttaaatcgct cccagtaactc atacaggctc 300
tctccactga gttgtctaat acctgagata tctttcctga 340

<210> 2256
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2256

tctcaagaa gctacctagt atatatataa aagcatgtgt aacactngct ataactttga 60
tgaatgagag tcttgtgaga cacaactcaa agttcaactt ctgtcccttt atttccttc 120
aatttcatgc tccccctct ctctttctt ccctttctt tttcctccat tgaagcatcc 180
tctccaagct tcttatccaa ggctcatctt ggtggtaag ctcttccttc catggcttat 240
tccctagtgg atggcgctc ctctcacctc ttctcccttt tcttcgctg catctccatg 300
gtggaaaatc accattaaag gacctcattt aagctcaaag atccagcctc catagaagcc 360
ccataagcaa gctttcatca agtggtaatc agagcacaag agcttcaaga ggtgctcctt 420
aaacctccat taatttttg 439

<210> 2257

<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2257

agcttattac ttgttgatga ttataacaca tatatatgta tatgaatctt anaataaaatt 60
aggaattaat agtcaaata ataaaattaa attgaaggaa attattatata taagattcaa 120
tgataaatac ttttaattta ttttttagtt taattattta ttaactctt gtaattaaaa 180
ataatatagt tcgatttaat atatacatgt tgtgtgccat gtaaatatta atactatgtc 240
atgtgtatataattcatgag atgtgataac atgttgctt gggattataa cattatgact 300
aagattgggt gtatgtgata aattgagtat gtgttgaatg gtaagatacg tgtattgaga 360
tngtataacgc attaagctat gaactgtaca atcacataac 400

<210> 2258
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2258

tggagaggat gttcaatgg aggataagaa agagggagag ttagagagag gggcgagcac 60
gaaattgaag gaagataaag ggagagaatt tgaactttga gttgtgtctc acaagactct 120
cattcatcaa agtaccaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180
ttgaaaagct ttcttgagaa aacttcctta agaaaacttc cttgagaagc tagagcttaa 240
ctacacacac ccctctcata actaagctca cctcctttag aagcttcctt aagaagattc 300
ctaaagaagc tagagcttag ctacacacac ctctctaata gctaagctca ccttctttag 360
atgagaagct agagcttagc tacacacccc ctataatagc taagttcacc cncatgacan 420
aatacatg 428

<210> 2259
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2259

atgacccttg ggaccgtttg atcatgcacc ctggacctt cgtccggacc ttatcactgt 60
tctgcagcgg gagcttttag tgactaacta cataactgcg gtggctgatg cccgcttcg 120
tcggaaact gccggccgac tgattaatga tggctcacgc gaacacctgg ggcgccctcg 180
ctgtaaacag gctatgaagg tatctgacat ggaagaagac acacgatctc tagtacaaat 240
gtcaggactt attctcaagc taaaccctt tttgagctt cctatattcc acaaaccctt 300
caatgtcgac gtctgtgaaa ttgatccaca tattacctga tagttccaa actacgcctt 360
agaacttaca tcgctacaga taacacactg cgcatggca tacttagacc tgccccctta 420
tgtaacaaca tgccn 435

<210> 2260
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2260

aggacaatgt gcnaatgata ccctgcacnn atgaaacctt tgatccatt gaacacncaa 60
tnaccantcg gaacctatgg ggagcgagtg tataacgtgc agaacttata aactcttatac 120
cgctcaatga gccgacagca gactttggat gggaaatacta ccgtcagtgt ggacgcattgc 180
aagtgtatgt acgttagtccc acggtgtcca actgattatt atgtcaaacc ggcattcatgt 240
taatgtgtaa tcatgaattt tcgtctgtcg gtccgataga tttattattt aacatttgcta 300
caaccccaga tgaaaggcaa acgtacttga aactgctatg acccctactc aagatgccgt 360
gcttttaac aatgtgaggt ggaacatgtc attgccatat gatTTTgac cgTTggatcg 420
atacgaaaat atcctgaaag ctttatactt aacccatgac catagatgaa gtgtaaatgt 480
caacaaaaaca agtgcgccc 499

<210> 2261
<211> 386
<212> DNA
<213> Glycine max

<400> 2261

gcttgagaaa tatactaccc catgaagttt atcaattagt tcatcaacag cggaaatagg 60

aaagttatct ttgattgtga tggcattcaa ggccctgtaa tctgtgccaa atctccaagg 120
gccatccttc ttttgacaa gaatgattgg aggtaaaaaa tggcttctgc taggggcaat 180
aatcccttcc ttgagcatgt cagctatcat taattacttc aatctgatcc ttccggctgt 240
gaggataacct atatggcttg actttactg gtccagcacc ttcaaccaat gggattgaat 300
gaatgtgagt tcttcttaggg ggtaatcctg atggcaccat caagactgtt ctataagtgt 360
aaagtaaaca gttccgcaat ggcattg 386

<210> 2262
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2262

cggagatgca atagtgctaa ggtttctggc ttttagttact ctatattgtg gacaattaac 60
tttnggtcct gtctttatga tatattaagtt taatgtgcca acctgttaca agttggtctt 120
tggcaaatgt gttaaaagat atgcatttg attaatagga acgattcaac acctatacg 180
tatgaagaga ctctaatttt ggtgtattgc taaaatagtg atttctgaat ctgatgcaag 240
gctaactcga tgatatctac tccaatatat atgatataca gtcctcgaac atagaggggt 300
tttggctata aaaatataaa atattgaaat attatctcat taatatacc 348

<210> 2263
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2263

agtttataag aacanaattt ccttaatcat ttccaaatat gcatgtgaat tatgacgcat 60
caacaagaat caagccaaagg ctatttgca agcaatcaat ggggcaaaac acaccaaatg 120
attataatga tggatggctc aaattctcac aaaggtaaaa tcattacttt caaattgagc 180
tttcaaaact atcatgacat gtaaagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aacttttatt ttcaaaacaa ttacccattt ctgtacata tcctataatt caaagaaaaa 300
catgcaaagt cgtacgtgca catgaaattt accccaaaata tttaaactgaa aatccgacga 360

aactaacaac attaacaat taacacaact aacaaattaa caaaaccaac aaaactagca 420
aaaccaaaga acactcccc cccatactta aacaacacat t 461

<210> 2264
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2264

tccacttcaa ttcccattcg agtacctaac gggtgtgatt ttcaaacgtt aaaaaccaga 60
atacacaata cccttaagtt aaccgacaag caactttgg atgaaattta ctaccggcag 120
cgtttcacgt atgcaggtaa tcaatttcag tttcaatgta tgcaactgaa agatgatgct 180
gatgttaaca taatgttaat gtgtaatcat gaatttcgt ttgttggcc gattgagtt 240
ttatgttagca ttgctagaac cccatatgat attntaaact tacttgaac tactatgacc 300
cctactcatg atgccctgct atattacaat gtgaggtgga acatgtcatg cccaaatgag 360
tttgggtt actcggtcac aggaaaaat cccaaaaact atgacattcc cacctgatgt 420
accatggatg 430

<210> 2265
<211> 433
<212> DNA
<213> Glycine max
<400> 2265

agttttagg attatggat acccatcaca tgtggacta ggtggcggtc gtgcgtatgg 60
gcacaacaag tttccacgt ccacaaatcg cgcataaacc caccatcccc tggccac 120
ctccaaactga gtcacgtac tcccacgtac ctcatatcct cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccccaca tccaagtaac tcaacattca aacagaaaa 240
attatcacag ccaaacaaaa cagggcaaag gcataaaact ctgccccaaa caccaaccaa 300
aatcacagct ttctcattt aaagacccca gtaataattc ctgcgttcca ctgcgttaac 360
cggtggatcg actcgaaaag tttactggaa gtctctagta cttaagccta cattgtgacc 420
gttggatct act 433

<210> 2266
 <211> 454
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2266

gtatgccgaa gtcattcatc cctatgagat gttgatgttag tattggcgat catatttcc 60
 attccttggaa ttatagggtt gaaccaagct catgctttta caaaaagggtt catcaagtca 120
 agttgaaata tggaaagtaac catcctgcat aattggggca aaagatgaat tgagtcacat 180
 cactgcttcg tctactgcca aacatatnta cgattgtga tgtccttgct acttccagtt 240
 tcacacctgac aaagatgtca tggaccatgt tgaaaatcta aattgattca accccatatac 300
 ctgcgtaaaa attcgcaatc ttcaactgta catcattcgc atacatccat gctttcatt 360
 ggttgcattt gtcattgcat tcttccttg gaaaatataa taaaataaaa ttaaatgaac 420
 ttaataattt ttatcaaaaa aaataaaaaaa acat 454

<210> 2267
 <211> 416
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2267

agctttgtg tagcgaatct tctattcctt tataatacaa gttggtcaca aggtgttcaa 60
 ttcaacaatg ggaaggaatt gtccattagc tatttggcca cgaaaagaac acaaagtaca 120
 gtccatataa atataattgt acagcacaac agaaacaaaag attgattagc atatgcatat 180
 acactagttt ttttaattga tttgttagcat atatattgt tgaatagtca agtagtcgca 240
 aaaaaaaaaagg ggaaaagaaa gaaaggataa acggaaagtg gtggtgaaa ttatataact 300
 aaaccaaccc cacatcctac aaaaataaaa gcattttgat aaactttgga gtttttctg 360
 aaggtgttcc ccatggtggt gngtacaga aatcttttac ggcaattttt aaaaat 416

<210> 2268
 <211> 454
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 2268

tccagagagt gggttgccga cgacgtcggt cagttccaa tgtgccacga aggctctagt 60
taccatgtcc ctctggagg ccacggagca ccagagacgg cacacgcgc tcgcacgtgc 120
gagatcgatg attggaaggt tctcgaagat gaggcggagg atgtcggtgg aggatagcgc 180
agagaaatga gaattcatcg gtgagattac agtgcaggaa gaagaggtgg aggaggaaga 240
agaggggaaa ttggaattca tgaggtgcct gaaaatgtca ccgtcgctt cgtcgcaaca 300
acaaccatt ggaagtggag ttaagttacg ggagaaaaagt agatctttt gaggataaac 360
tttcattttg gtcttacaga acgtgaggca atgaanattt taacttttagt tttcanatat 420
gtaaaaaaaaact gtgaaaaagtt gataagtata ttag 454

<210> 2269

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2269

agcttaccca ttatgtnta gggttttat gatgatgctt gtgatgttg tgtgctgaaa 60
ttgcttatgg aaaactgtta gagatgaagg gttagttaa cctatgatta gaaagtgaga 120
atgtgggtt atgagtggaa aaagagttag gccttgagag ttggaaggct aaatctggat 180
tcagtggtaa atataggtaa aaatgagttt atcctagttt taaatgtcat ttaggactta 240
tgagaaagct tggctgtgc aagagagaaa aacaaatgac caaagtgaag gcaagagcca 300
tttctagggtaa aaaattgggt gttgaggagt caaattttga ttcggtagag tttcgctgt 360
aaaaccagtt tgagcaagtt tagattgatg agatagactt gtttgagggtg agaagttgct 420
ccatatttac cccatgctca ttttca 448

<210> 2270

<211> 445

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2270

tgactntgggt ttacacatga ttgatacatg atatggact tgtgtgatct gatttgca 60

agattggatg agaggaaatg tggtttcga aatctgcact ttatgcagaa ttttgttg 120
aaattgtgta gcagaatttt gcataagtgc agaaaaatgc tatgcgttg ctggttgcgg 180
aaagagtagt gcagaatgag ttctggatgt ttgctagtag atcccaacgg taaaaatgta 240
cgcttatgca ctatagactt ccagtaaaac tttcgagtcg atcccaacgg taacgagctg 300
gaacgaagga attgttactg gggctttaa gtgagaaaag ctgtgatttt gttgggttt 360
ttggcaggg tttctgcct ttgcccggct ttcttgctg tgatagttt tgctgagtga 420
atgttggatt acttggatgt tgggg 445

<210> 2271
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2271

agctagagag aaaagatttt ttgataacaat gaatganatt atgtatgtcg aatcaatgct 60
gaaaagttgta tagatggta tatataatac cagttacaac aataattaac ttccaaccaa 120
ctaaaactaac tttcaactaa ctaactaact accactagtt ctaaccaact aaactaacta 180
gttaactaac accaagacca cttgaaacaa tgccttgtc tctctacata tatatccctc 240
tatcatgcac gaggaggagg ctagataact ttatcacgag gtagagagaag aaagaacaat 300
gcaagacaga ggaatgctga tgaggaactt tgagatatgt ctcagctgtt ctttata 358

<210> 2272
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2272

tatcacctt accagcgatt gaaaaaaaaact nttagcgaat gtcaagaaca tgaaagtgc 60
ccgataactat taattggtca gcagattctt aagcgggtt aggacattaa tacgatattt 120
cgaaagaccc aaaagaaaaaa agtaaaactt gcataatggaa taagaggtcg atattctatg 180
atcttccata ttggtctaatt ctagatgtca cacactgtat tgatgtatg catgtggaga 240
aaaatgt 247

<210> 2273
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2273

agcttggatg ttgttcttgc attatttgcg aagatatgtt actccgcaac caaatttatg 60
tattatatca gacaggggaa ccagttgct agcagctta caatctgaac gtcttggttg 120
gaatgaacca gatgttcgt ctgtgtattt cattgccac attgcatcaa atttcaacaa 180
acagttaaa aatgttgact tataaaaaca agtaatcaat atgggtatgt ttcttcctat 240
ttcatgcac atattcttgc tttattacat gtttactatt tattactcat tnttctatct 300
tttgcacat ggtatgagat gaggaaacta cgatttggc taagttgctc gctatgcgag 360
caaagttcc acaagca 377

<210> 2274
<211> 372
<212> DNA
<213> Glycine max

<400> 2274

ttgaatctca gctatagatg cccagcattc atacctatag atggagttgt agtattggcg 60
atcataattt acattccttg gattatatgg ctgaaccaag ctcatgctc tacattaagg 120
tacatgaagt gaggatgaaa tatggacagg accatcctgc ataagtgggg catatgatga 180
attgagtcac atcactgctt ggtctactgc cgaacagttac taggattgtt gatgtcctcg 240
atacttccag tttcaccatg acataagatg tcatggacca tgtcgaaaat ctaaattgat 300
tacgccccat atcctgcgtg gaagtttgc ttcttcaaca gcacatcatt cgccatacatt 360
catgcttttg at 372

<210> 2275
<211> 438
<212> DNA
<213> Glycine max

<400> 2275

tgaactcgct aagctcatat aacttagaca atttttttta tttttgcctt gcgctaagcg 60

cctcaacttt gcactaagcg ttattcattg cggttgtat aaggctaagc gagacttgct 120
cgctaagccc aatacgctct agtagtcgag tcgcgctaag cgagcacctc tcgctaagcg 180
catgtttaaa actgttttc cctgagctaa gagagtgcct atctcgctaa gccaattatg 240
cagaaaagat tttctgtcat aactcgctaa gcctatgagt tatttctcat aaggcacgct 300
aagcgagcat gatctcgttg agcgccact gtgttttca gttttaatg catgctttca 360
atttaaataa aagtttagcta atatagttt aatggttctt ttgtcacaaa tggcttcaag 420
aaaaaggaaa agcactac 438

<210> 2276
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2276

agctntggac tattcaactc anaatctatg tatccaaaac ccctcaattt aatggattct 60
caagggttga gaagtgaana tgagaatggg gtaaatttg agcaaactct cacctcacac 120
aagtctataa catcaatcta aacttgctca aactggttnt acgcctaana ttctgccgaa 180
tcaaaatttg actcctcaac acccaatttt accctagaaa tggctttgc cttcactttg 240
gtcatttgtt tttctctttt gcacaagcca aactttctca taagtctaa atgacatttc 300
aaacttaggaa taactccctt taaccttcaa ataccacta attcagattt ggcctttcca 360
ctctcaagtc tcactcttt tcactcatac actacatctc acttttaacc ctangtcact 420
atacccttca tcccta 436

<210> 2277
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2277

tctttgatgc tgtaaggttg ttatattgtat tgcatgagat atatatgtat tcatttgatg 60
cacacaacac caacaccctt tttgcacaca cggtgagttg aaaagggggcc ctataactcag 120
gccatggaa cataacgagt ggaagtgaat ctatggtcat gctgggtctc cgacttgctt 180

gataacagt gaccctcata tagagtttt ctcttgata acatattgtt gctggtagtc 240
cctactgtcg taatatgttt gtcgaagggg atgataccctc tagaaaccat caagagagat 300
atgaccacct tggaaattat cactaaaagc ctttagttc ctcctgtta ggtccctaann 360
atagggcac aaagcgaaca cgctgcgtga tatttacata ctgccatgca tatanatgtc 420
atgtaca 427

<210> 2278
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2278

agcttgaagg actacgttac acggatgaag gatggtcaga aggacattta ctacatcaca 60
ggagagagca ngaaggcagt ggagaactct cccttcttgg agagactcaa gaagaaggc 120
tatgaagttc tttcatggt gnatgcaatt gatgagtatg ctgttgaca actcaaggag 180
tacgatggca agaaatttgtt ttcaagctaca aaggaagggt tgaagctaga tgatgagact 240
gaggaagaga aaaagaagag agaggagaag aagaagtcat ttgatgaact ctgcaaggc 300
atcaaggaca ttctgggaga caaagtggag aaggttggat tctctgacag aattgggtat 360
tcccccttgct gtttggcgac tggtaatat gnatggagcg cacacatgga gaggatcatg 420

<210> 2279
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2279

tgttttctt catcgcaatc tccattttcg atgcctttt tgattctgaa ttntttgtat 60
ctggccctta ttgtgtcccg aatatcgaat ttctggcta ttgtggagtt ttgcaatgg 120
tggatcaac attggcatca gttttgact ctgtcagtn ggtcgtgttc ttctgggtt 180
gcttcccacc tatgtgtta ttatacatgt cttgttatt acattcacaa attacagttt 240
tatcataacct tgcgttttctt tgcaggatta ctcgaatgac cagccccatt attggatatc 300
cttaaagaac aatggtcaac ttcccttacact taactctttt cttgcataac atgaggtgaa 360

acaaaactca acaggtgcaa cttagccaaa agaaattatt gaatatacaa caacttgagt 420
ggtctat 427

<210> 2280
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2280

agcttgcac ttatctcgcc caggcgagct cattttagccc aggcgagttat ggttgcttcc 60
tccacacgca acageccttct ggaggaatct tctggaggcc ccaagtggc ctgggttgcta 120
tttgcacccg cattttact aaggacaccc cccgtttcta ttttttgga actcttttc 180
cgtaacgnta cgaaaacttta cgaacttcgt aacgatactt aatttttctt ccgcaaggtt 240
atgaaccctt acgacttatg tatttactct ttttagctt tcgaagaagt tacggaaact 300
tacggattgc gcaaaaacac ctcttttga ct 332

<210> 2281
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2281

tgcctcanag aggtccagga aggacaaggc ggccgaagga actagttccg ctccggagta 60
cgacagtac acgtttatga gcgcgttaca ccagcagcgc ttcgaagcca tcaaggatg 120
gtcgtttctc cgggagcgcac gcgtccagct cagggacgcac gagtatactg attttcatga 180
ggaaataggg cggccggcggt gggcaccact ggttactcct atggccaagt ttgatccaga 240
aatagtcctt gagtttatg ccaatgcttg gccaaacagag gagggcgtgc gtgacatgaa 300
gtcctgtgtt aggggtcagt ggatcccgtt cgatgccgac gctatcagcc agtcctgtg 360
atatccgatg gtgttggaaag agggccagga atgcgagta 399

<210> 2282
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2282

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gtgttatttt ctctgatggc tcattgtct taacgaagtt gagcgtaaa ttgcgttgta 120
cagaagacta tactgagctc acgtagaatg tgcaaattgca tgtacacgcc ttgagcgatt 180
gactcatcta cttactagag cccacaaggc ttatatatag catgtcccag ccgatatacaa 240
aggtactttt acacgatgac atgtgatgca cgagagccca ctctactaca tctgccttga 300
cagtgtaccg cactgtgaat gaggaagaac acatttccta ctagcactag aaagaaaacat 360
agatagaatc tgtaagcgaa aatacctgaa agaacctccg catgctgtc gacatatgtta 420
tggttagatcg cacatgtact ccatggtaca ccgtgaatga tgaccctccc atatgtctt 480
ct 482

<210> 2283
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2283

agttccctg cacatatnta attattaaat ataaagaacc aatgcacaag tatgcttagac 60
aatccaaata attgccacca cttanacctc ccaatttttc ttcaatttat aattataacc 120
aacatacagt ataaatatga tgattaatac atttctatgt agtattttat gactaaaaaa 180
gataattttt atgagatatt agaaaaagtt ctattgctaa tttaaaggat tttaaagaa 240
ctaaggagct aggaatcatt agtagtgac cctaagctaa gggtgttata gactaagtgt 300
agtgggtata agcaagataa tataatacat g 331

<210> 2284
<211> 220
<212> DNA
<213> Glycine max

<400> 2284

ccttgcttt gaaagattga agaaatctag atcttagtatt gttatgaaca tttcaactca 60
acaacttaat cccagctggc ttgaaataat aataatactt gtcactcata aaaatattaa 120

tgcaagttgc atgacattct tgtctgtctc actatgaatt acctaatacg cctctgcata 180

agctgggtga aaaagatctg taaacagatt tgagttatat 220

<210> 2285

<211> 399

<212> DNA

<213> Glycine max

<400> 2285

agcttgtact tagttgaaat aaacattta tagtcatgta tcgtttgaa tatggcaatt 60

ttgcattatt ttccccctca tattggttcc taggagtgtt tttaagtggaa acagaaatag 120

taggcaaatt gtatattgac atggaaactt aactgtttt gtcgccgtt atctggcct 180

acaatgtctg aaccatttg tttggtaga tcatacgat attgtttgg gtgtcatgca 240

ttactatatg ttcaagttgt ttgtttttt aaagtatatt ttcaagttgt gttagtgatg 300

caatgaaaaa ttaatgattt aataaaaacta atgagaacaa aattgtatct caatgactgt 360

gggttgcggc tacggaatag cctcgactcc attagaaca 399

<210> 2286

<211> 405

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2286

tgtgccncc tctctccaac tcacttgagn tttacttaag catatacctt gcttggctc 60

ttcacatcata ttcttacttg agcgtcagag tcttctattt tgcaccctct ctccagctca 120

cttgagttt acataaggcat atacttgtt tttctcttc actcatattc ttacttgagc 180

gtcagagtct tctatggc aggtcccccc tcctatcaaa ggtacccctc caagatgaca 240

tgtgaagttc gagacccac tcaactacgt ctgccttgac gtgtcatggg tttggatgg 300

ggtaagaaca caaccctcac ttgaacttga aagaaagata gagaaaatag ataaggaaaa 360

atacctaaat gaacctttgc ttgcttgctt agatgtgaat ggaac 405

<210> 2287

<211> 450

<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 2287

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agcttgtcca tggtagac atgattgata catgatttag gacttgtagg attcaatttg   60
gaaaaatgg gatgaggca aatgtgattt cggaaatctg cacttatgc agaattttgc 120
tgtcaaatat gtgcagcaga attttgctt tgtgcataaa atgttggtta tttgctggtt 180
gtggaaagag tagtacagat tgtgttctgg atgtttcta gcagatccaa acggcacaa 240
tgttagactta tgtgttagag acttccagta aaatttcga gtcgatccaa tggttaacga 300
attggAACGA agagaatgtt actgggtat ttaagtgaga aaagttgtga tattggtttgc 360
tgttggcag agtttctgc ctctgcctta ttnttcctt gtttgcattt tcattatgtt 420
tggatgttg aattgctcg atgttggttga                                         450
  
```

<210> 2288
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 2288

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gaaatgacaa taactntata cacggatgtt ctgttgagtc ccgttatata cgagacgctc   60
aaaatttaga tccgaagctc tgaaaaattt gaattgacaa taacttata catggatgtc 120
cggtgagtc ctgtaatata tcgagacgct gcaaattgaa aacggaaatc cgttagaaat 180
tcaaacgaca ataactttt actcgatgt tcgattgaat cggtaatata atcgagacgc 240
tcaaaattga gactagaagc tctgagcaaa tttaataac aataactttt tacacggatg 300
tccggctgag tcccgtata tatcgagagg ctccacattt agaacggaga ctcttagaaa 360
attcaaacga cactataactt ttactcgat gcccgacaga gtgtcgt                                         407
  
```

<210> 2289
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 2289

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agttcaggc tgctcgattt ctccaggttg ctgcattggaa gggcaaaatgtt ctgtatgggtg   60
  
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gtcagcagag gagcacaaac cacaaccct tgcaacaggt acaaatttct gattcaaggc 120
cagctgggtt accaagttaa ccaatgcac cagttgcct tcaagttct tagtctcaga 180
tgatgcagct gagttgttag ctacccatg cactcctcta atgactatgg catcatttct 240
ggcgctaaac tgctgagagt tggaagccat tttctcaatt aaattctgg cttcagcagg 300
agtcatgtct ccaagggctc caccactggc agcatatatac atacttctct ccatattact 360
gagtccttca taaaaatatt ggagaagaag ctgctccgaa atctgat 407

<210> 2290

<211> 454

<212> DNA

<213> Glycine max

<400> 2290

tgcttgga gcttctatgg aggctggatc tttgagcttc aatgaggtcc tctaattgg 60
atttccacc atggagatgc agcggaaagac aaaggagaag aggtaagagg tggcgccatc 120
cattaggaa taagccatgg aagaaggagc ttcaccacca agatgagcat tggataagaa 180
gcttggagag gatgcttcaa tggagaaaaaa gaaagaggga gagaaagaga gagggggggag 240
cacgaaattt aaggaagaaa aagggagaga agttgaacct ttagttgtgc tcacaagact 300
ctcattcatc aaagttacaa caagtgttac acatgcttct atttatagac taggttagctt 360
ccttgagaag atttctttagg aaaacttcct tgagaaactt ctttgagaaaa acttccttga 420
gaagctagag cttagctaca cacaccctc tcat 454

<210> 2291

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2291

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acaacatctc atagggatga atgactcggg catacttaa gcttatgcac ggaaaatgt 120
attatgaaat tgagatgccc gaagaaacac catttcctag ttaaccatgc attaggtacc 180
atgttcaatt attttgtttt ggtgttgt gtgtttttt ttttagaaatg ggtttatgt 240
cccaacatgg ttggctcatg gtgcctaaca catgcaacta agaatgttagt gtgaagttc 300

acgctcccc tttttgtt tggtttag agaaaaacgc aaggatgagc aaacatgana 360
acaatggta tccaattntg cagatcaaaa agtttgtga acgcatatgc atgatgatgc 420
catgactcat gcaaa 435

<210> 2292
<211> 432
<212> DNA
<213> Glycine max

<400> 2292

tcaagtgaac tagggaggcag ataagaagtt ctcacccggt atgtcgaaag ctagaaagag 60
gagcctaggc aaaagttagg gaaataaaaa aggaaaaaaaaaa aaataggggc gtgttatcaa 120
aggtttgtc caaaatctaa attgtaaaag tctctagtca atatttggaa tgacacatgg 180
tcatgcttca ttatccaaa cactaattta tcccttgtta ccccttctga gccaaagcat 240
atttgttttc tttaaaaca acaacaacaa caacaaaaac ccgttagtagc aaccaccgct 300
gagccggcgg gaagagcaag gcaaacatca tatgcatgag gtaagctcta tgttggcaa 360
caatgatgtt aaggaaaaaaaaaa agcagaaagc atatctgcc aaggcgagca aagcaaaaag 420
agacaaaaaga tc 432

<210> 2293
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2293

agcttcana ttaaagtacc aaagtacaca acataaacta atacctacta aatataaatt 60
agtcatatcc aactacacat cctaataaca aaataaaaca agaaatgagt cttcacttt 120
cttcatttt atactagatc tttattagca gccttccttc tagtgaacct tggtgtggc 180
atgaaaagta agggtgctgt tggtgggcca tccacaacag gtgcgtctac tggtaagt 240
tctgaaatgt tctttgttt gggtcttctt atgtttagct tataccttgc tactggtgaa 300
acatcaacaa taggtgttagg gacctacatg caaatgccaa acatgaataa cacttgaaat 360
atatataaaa 369

<210> 2294
<211> 441
<212> DNA
<213> Glycine max

<400> 2294

tgtaatggta agaaaagaga aacacacaca atcatctaat atgcagcaag tattaaaaaa 60
aatagtaagt ataaaataaa agtgtgtgct gccaattaag aaaaagaaaa gctaagtgcg 120
gaaaagcaag taatagagct ggaataaaaaa gaaaaagggtt gatctaagga tgaatgctct 180
cctagaacct aagctttgc atcctagaaa aaccatgaat tgttgcagc ccagcctcg 240
tacaaggcta caaaagtcc tcgaattcag tttgtgtgtt cttgactgta tggcatgaga 300
tgaattgcaa agattgagac tttgttagt tgtggattgt tgaataagcc taaacacttg 360
tgcttgaggg aaacaatgac tgtgaggatt tggtaacga tccttcctt atatctgtca 420
tgcttaccag cttatttcag c 441

<210> 2295
<211> 267
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2295

aaataggact aattaatttg ggagacgcta acctatacca acatacatat cattaagcgg 60
caactgtaac cataattgat tcatgttaacc accagttgca attattgatg gttattccaa 120
gtattgacca ataanatcac agtctataat tgcaataat tcctcaatat ttcccagcac 180
atatgattgt taattggtaac gtggcactaa attcttactt ttccctccct tgccctacttt 240
gacttgcgt tggcaacaa gtgatga 267

<210> 2296
<211> 431
<212> DNA
<213> Glycine max

<400> 2296

tgaaggatta taactgtttc agtattatga tggacaacat gcttcaagta tcatacgta 60
caacattttc ttttctgga tgcagcgtga actttaagca atgtatactc gtaccataaa 120

aaaaaaaaagtt ggactgtctt cgaaaaatga ggcacaaaac cttgaggcac tgtttgagtc 180
cataatcaga ttcagatgcc tccctggacc aattattgac gaagataaag cactacaat 240
gtctgttaat gttgtttgtt atatcacttt tcttgatatt gcttatttca gtgttctgat 300
ggatgggttt ttttacattc ccaattttct gtatagtgct atcatgccaa ctcattagcc 360
atgtaacaat tagtatcatg tactagtagt aaagctagtt ctattacca tggacatgct 420
caaataaat c 431

<210> 2297
<211> 386
<212> DNA
<213> Glycine max

<400> 2297

tgaaggttt tacatgacca aatcttagt taatcttctt tacctaaagc agtctttgta 60
ttcatttaaa atgcatgaag atagatcagt aggagaacaa ttggatttgt ttaataagtt 120
gattctagat cttgaaaata tcaatgtcac cattgatgat gaggatcaag ctttgctatt 180
gttgtgctct ttgcctaaga gttactctca tttcaaagag actctactgt ttggaagaga 240
cttcatttct cttgatgaag tgcaagctac tctgaattca aagcaattga atgaaagaaa 300
ggaaaagaag tcctctacaa gtggtaagg gctgacagca agaggcaaga cttcaagaa 360
agatattata tctgataaga agaagc 386

<210> 2298
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2298

agctttagt ttattcaaac gacaataact ttatacaagg atgtccgatt gagtgccgta 60
atatatcgag acgctccana ttgaaaatgg aaactcgtag caaattcgaa cgacaataac 120
tttttactcg gatgtccgat tgagccccgt aatatatcga catggccaa attgaaaacg 180
gaagctcgta caaaattcaa acgactataa ctttcactc agatgtccga ttgagtcccg 240
taatatatcg agatgctcca aattgagaac gggagctcat agcaaattca aacgaccata 300

acttttact tggatgtccg atggagtcgg gtaatatatac g

341

<210> 2299

<211> 401

<212> DNA

<213> Glycine max

<400> 2299

cttgagcaaa ttgaaatgac aataactta tacacggatg ttcgggttag tcggtaata 60

catcgagacg ctccaaattg aaaacggaaa ctcttataaa attcaaacaa caataacttt 120

ttactcgat gcccgcacaga ttgtcgtaat ttatcgagag atgctccaaa ttgaaaacag 180

aagctcgat caaattcaaa cgacaataac ttttacttag tatgtctgat tgagtcccg 240

aatatatcga gacgctcaaa attatgatcc gaagttctga gaaaattgaa ttgacaataa 300

ctttatacat ggatgaccgg ttgagtcct gtatataattg agacgctcgc aactgataat 360

ggaagctcgat atgaaatgta aacgacaata acttttact t 401

<210> 2300

<211> 168

<212> DNA

<213> Glycine max

<400> 2300

tgcgttata cgatgcgtgc gccttcttgc cccgagacgg agccacaaca ccttttattc 60

atgccgactg ctcaggccat gcctacggtg acgtccatgc cagctccgtt acacaccccg 120

cacccgtgca accaagatcc gaattactac cgatccact gccatgc 168

<210> 2301

<211> 296

<212> DNA

<213> Glycine max

<400> 2301

gctttgaata tataaataaa taatgacctg taacatcaac aaagacatca tcacttttc 60

gccagtgctt tcgatggtgt cgatacgtaa agatagcccc aagacacaga atgcaaatgc 120

ccacacttgc taacgacatt ttgcaatttgc atttggggc tgaagctgca agaaggaggca 180

aactttaaag agctacctag ctaatcgaaa ttatattcat tttatattcta gatcttattc 240

ttcaagttaa attacacatt cttaatatg taccataaca taattacacc ctcctt 296

<210> 2302
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2302

taactgtaat gaattataac ttcatactac gagtgcgagt ttattattcc catatttct 60
ctactatgtat gttcttatatt cagcttagtac atattcaat gttttcaag tgcatttata 120
cctaattgtg ggatcattca ttattggaaa atttggata ctgaaaaaag tttgctactt 180
acagggaaaac caccattcat gtataacatg ggacggcttg ctgaataactg cagtgtgcc 240
acctatggag tgtctgtatt accagactca ttgccccata cagagtctgc aattctaaga 300
tgtgctgtgn ttac 314

<210> 2303
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2303

attgaacccc ttgagacccc gngatcctca gagtcacctg tggctgcagc tncatggaaat 60
caactagatg ccctacttct aaaaatggct aatccgatna ccaaccaaca atacccatct 120
ttttccctcg tgcaaggcacc atcggccgct tcggttctta gggtgggtgc gccttctttg 180
cccggtccgg tgcaacaaca ccaattatcc atgcccactt ctttgccat gcctactttt 240
gccgccatgc caactccgtt tccacacccc gcacccttgc aaccaagtcc cgcatcatta 300
ccggctccac ttcccatgcc agctctgcat ctcccgctc tcgatcacgt ttgtgctgct 360
attcccaattt tcgacaacct ctccagtaact gtccttcgtt atggccatac aacagctcc 420
catgccaagc atggagaaaa tatagacatc gtgctggttg agctgggacc tggatnttg 480
ggactatatg gctcatgcaa gcg 503

<210> 2304
<211> 462
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 2304

actcagctgc ttctacaatc tcccncttn tcatgtatgac aacttctgtt atcacgaagc 60
actttcacac acacacacac tnttcctagt cgatcactct cataaatttc cattctcccc 120
ctttgtttt gaatttatgc ttctcttaaa attaagttga ttactcatgt gacttcttga 180
ttaatccct atttctctcc ccctttggca tcaacaaaaa gccaaagtgc gtaacaaatt 240
tgaagcatgc aaatacaact aagcatccac acaacattca tgaaaaatataaacc 300
atgaagcaag aactatgagg caagaaccac gaatataaaa tccacgtagt caaataacat 360
attaatatt tggtaaaca tactatgcaa ataaagaaat agtaaattgt tcaaataatca 420
tcataatata gattatttgg ataagtcaact gacatctatt ag 462

<210> 2305
<211> 417
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2305

catgcaagct ttataggtga aatcaggtgc agccatttc cttagagtgt aacagtgtan 60
gtttgaacta cagctaccct tanatgatat ccaaattgact tgaaattttg tgagcaacac 120
cctaaaacca tgaaaagata gcacaaaaatt ttcagacaaa aattcaaagt ctaactatgg 180
aaactaccta agggaaagttt agaaaaataa aacaataaaa cttgaaaaaaa aaaactggta 240
aacaggtgat tttggctagc tagagacctc agccaaactt tggctggctg cagcagtatg 300
ggaaattttt ttctaccca aatacatata taataatagt cattctgata cccggagcaa 360
aagttatggc cgtttgaagt tntggtaaac acaagttctc aaattttttt gaatctc 417

<210> 2306
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2306

tcntatataa atttcgaacg tcttgatata ttacggact ctataagaca tccgagttaa 60

aagttaatgt cctttgaatt ttctcgagc ttttgggg aatttggagt gtctcgatat 120
attacgggac tcaatcgac atccgagtaa aatgttattg tcgaaaat ttgctcagag 180
tttctttttt aaatttcgag cgtctcgata tattatggga ctcaatttggaa catcgaggta 240
aaaagttatt gtcgttgaa tttgctcaga gcttctgttt taaatttcgaa gcgtctcgat 300
atataacgag actcaataag acatccgagg aaaaagttaa tgtcatttga atttcttcgaa 360
agcttctgtt ttcaattttg agcgtctcgaa tattttacag gactcaatcg gacatccgag 420
taaaaat 426

<210> 2307
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2307

ctcggatggaa tctcatgcta tgatttatcg nattgggtat tcaaagttag tctcatacca 60
ttgggtgttc gaactcaaatt cgtggtaatc caggttcgtc taacggcatt ccggttactt 120
tgattatgac agtttctgca attcgagaca tttctttggg tttccgcatt tttgatggca 180
atacaccggc cttggagtgg atcttcaaag cagagaagtt cttcaattt cataacactc 240
cagatctgga tcgagttatg attgcttcta ttcatggaa gaaggatgtt attccttagt 300
ttcagatgtt gcaacggatg caagttgttgc gcatttgggc tgagtttaca cgtgctttgg 360
aaac 364

<210> 2308
<211> 456
<212> DNA
<213> Glycine max

<400> 2308

gcttatcccc taatgcacctt attccattcc tcccatggtc atcatcacca taaacagcaa 60
taacctctctt ccagccaaag tagttaacaa agtctgttat tgcagtcatt tcataaatgt 120
cactaaaagc agttctaata aagaatggga attgaagtga agaaagagta gggtcagtgg 180
ctgttaatga tagtagagga acttggagct cgttcgctat atgagatatg acatgagctg 240

ttgttagacgt ctggggaccg attatagcca cagtttgtt tgccatgagc tgcaaggcta 300
 ttacacacaa tttatgtaaa ccaagagtaa taatctgcca aactttgaag taacttgtct 360
 aatagaaaaaa aagatgctt taaagttta acacataaaa aagatggaa tattgtgaag 420
 gacgtaccct cgccaatgct cagaaaacct ctgtat 456

<210> 2309
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 2309

ttcttaatca aaactcaata gtcattatta aaataatatac tatctagttg atccgtcatt 60
 gtgtttgtg gttgaacttg ttcttcttgc attcaaggat ctgttgca ataagatcca 120
 actcattctg gggatggcca ttgttaacat ttctatattc atccatttga taagatgaac 180
 tatgttaagtt gaactactgc atatgttgtg gtgtgcatt tcattgtggct gcactacaaa 240
 atttggagga ggaggtaaaa cccaaattatg ttgattaatg tagggagtaa caatcatgtc 300
 aatgtctttt aagggttgtt catggatgct tcttcttttc ctcttttct ttgaggcatt 360
 cttgccgtta aaagtacttt tgagcatgac ttgttaact 398

<210> 2310
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2310

tctgcaagct ggaaccattt atcctatctc cgacagccaa tgggtgagtc ccgtctctgt 60
 agtcccgaag aaaaccggcc tcaccgtat aaaaaatgag aaggaggagt tgattcctac 120
 tcggggcag aacagttgga gagtctgcat cgactatagg aggctgaacc aggttaccaa 180
 aaaggaccat tttccctac cattcattga ccaaattgctc gaatgcctgg caggtaaatc 240
 tcactactgt ttcccttgatg gttttctgg ttatatgcaa atcactattt ctcctgagga 300
 tctggaaaag accacattca cctgccccctt cggcactttt gcctatagga ggtgccttt 360
 cggcctgtgg aatgccccctg gtaccttcca gcggtgcatt atcaatattt ttagtgattt 420
 tttacaanat tgcatagagg ttttatgg 449

<210> 2311
 <211> 142
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2311

 gctgcanaat cccttnttgt tgggtgtgt tttttttgg tttgtgctaa aggtggctt 60
 cgtcattgga agtgcggtag acaggcttg tggttgattt agggatggcc tttgtggata 120
 actgggtggt gggtaaggag ga 142

 <210> 2312
 <211> 448
 <212> DNA
 <213> Glycine max

 <400> 2312

 tagagttaag tctcgatcg gtttaatcga ttatcgatat ctcataattg attacactgc 60
 tgtttgagac aatgattgat ttagtcagga gtctccactt taatcgatta ccaagtggat 120
 taatcgatta cttctctctc gttcatgtgt tcagaggtga aaaagaacac tttaatcgat 180
 tacataggtc atctactcga ttatattgtc cttgagttgt tttctagatg ttggatgaac 240
 actttaattc attacktaga taatctaattc gattacttg taaaataat cgattacctt 300
 atagatttaa tcgattactg acaattataa ttgtttctc tataaataac cttagttag 360
 accttggc ctcataattc ttaagaggga tagacttaga atgctgaaga agcagcaaca 420
 atcaatttaa taatgttctt taaacatg 448

 <210> 2313
 <211> 361
 <212> DNA
 <213> Glycine max

 <400> 2313

 agcttgcac ttagcagtt aagggAACAA atgaagtgtt attaactaat aagatttcct 60
 gcatgttatt aactaataag attcgttac tgcttcagc ctttgatga tgattatcgt 120
 agccatcatg ggtgccttca tccttcaga aaaaatataat cttggagggt aagtactcaa 180

tactcatatt cactccaaat gaacatatct tgtttaggc acaaagaaag aagcttaaac 240
gtttaattg actcactctt gtagcataaa ctaaaagttt ggtgttctt acataaaagt 300
tgaaacatga caatctaaa aagctatagt cattagagca tgtaggaac tggctgatt 360
t 361

<210> 2314
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2314

tgacatgcta ttgaacaaggc agttatatac tctgcttcac ttgttagagag tgcaacaaca 60
tcctgttct tagagcacca ggagatggaa gcacctccaa acaataaaac atgccccatt 120
atgcttttc tgtcaagaac atctccacca cagtctgagt ctgaataagc cacaagttgt 180
ggctcaacct tctcttcta atgtggaaat agaacaccaa agtctagtgt gctctcaagt 240
atctcagttat ccttttagct accatcatat gtgaatgtct tggatcactc ataaacctac 300
tgataactcc cacattgaaa gtgatttctg gtctggatg acaaatgaat ctgagactcc 360
caacaatntg cctataacaag gtacaatcca ctacaggttc agcttacat tta 413

<210> 2315
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2315

agttgcttg tggagcttct atggaggctg gatcttgag ctntaatgag gtccttcaat 60
ggtagtttc caccatggag attcagtggaa agacaaagga gaagaggtga gaggaggcac 120
catccactag ggaataagcc atgaaagaag gagcttcacc accaagatga gccttggata 180
agaagcttag agaggatgct tcaatggagg aaaagaaaga gagagagaga gaaagagaga 240
ggggggagca cgaattgaa ggagaaaaag ggggagagaa gttgaacttt gagttgtgtc 300
tcacaagact ctcattcattc aaagttacaa aaagtgttac acatgcttct atttatagac 360
t 361

<210> 2316
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2316

tgtgtgcatt gtatacgcta gaatatgttc tggtnntgga tgctacattt ctaattgcaa 60
ctgctatgaa atcaatgtatg ttgacaacaa caacaacaat tggtgttgcc tcttggaaaca 120
ccgcgagttg tacaagaaaa attattgtct ttatgaagaa tcacttcaga agcgtgtcac 180
aagatcaggt cctattccca aggctagtaa taacaacaaa accggtgtga tacggttctt 240
gaaccgtgac ggtgaagttg ataggccaaa gagtagcggtt aataataggg ttttgaggct 300
ggcgccgcca tcgacggtgg gcggngcggn gctggcggtg aagtatgcgg aggtgatttt 360
gtccgcagag cagtggttgc acgctccggc aacggtggg 399

<210> 2317
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2317

agccaaaaac tttaacaatg accanagcaa gacatctaca ttcaacttca gtacttgagt 60
gtgcaacaac aaattgcttc ttagaccact aacagatgag attggggctg aagaagacac 120
aagcgtcgaa ggtggaccat ctgtaatctg ggtcagacgc ctatcagca tcacagaaag 180
tcacaataga aaaaaggtgc agaagcaagc ttgaaatgcg agccccacga gatggttccc 240
ttgagatacc gcggtatccc cttatggat catagtgtaa cgccctgaaa ttgcctaacc 300
tggaaatcga tttaatgtta tttctcatct 330

<210> 2318
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2318

acattn>tagc ttcaatgcga gaagacatac tcatggctag gaatccaaaa ttgggtttta 60

gagttagaaa agcatgaaaa ttaggacttg cttgtgagag ttttactcg aatttggct 120
gccccatgat cgatactttg cacctaagtg acgtggaaa tgctttcaa tggtatgtgg 180
atatatgtgg ggcataat tccttgc当地 gtgtaatga ttatccc当地 aaatgaatgt 240
atgatagcac gtaattccct tttgaatgca agtgtgtgca taatgtaaat agcttgc当地 300
tatgaataaa tggatgtgaa acaataaaat ttgtatgata tatattc当地 atatatgtan 360
ttagttggta atagcaaatg tttaggatat aaatttaggtg tgaatttga cgcaatgcct 420
tgagcg 426

<210> 2319
<211> 226
<212> DNA
<213> Glycine max

<400> 2319
aaaaccgc cgaggcgctt cccgaacgtt tctggtagt ttccggagt aattacgc当地 60
agattctcgat ccgttcttca acattcatcg ttccgtctt gtttcttca gcttcaacgg 120
gtaagtacct ctaaccgagc ttttctt当地 ttttatgtac ccgtggggc cacaatttgc 180
tcatgtat当地 tattctcgag tcattcgat当地 tattccctt ttgacg 226

<210> 2320
<211> 420
<212> DNA
<213> Glycine max

<400> 2320
tctagaaccc tagttgttc caaaaatcaa accacatgtt gattaagtt tataaaat 60
tttttattt当地 actacatgtc tttaaattt当地 aatctt当地 atataatcat attaaatattt 120
tagagaaaga attttaccgt gtataataac tctatcgat当地 atgattt当地 ttccacaaaag 180
atttcaatcc taagagcaac ttaatagaaa tacactacac tacccaaata tacatggat当地 240
tatctagat当地 gacagatatt tatcaaaata ataataatcat atgtcgat当地 aatcttagat 300
tattattgat tatgttaggat当地 ctatcgat当地 ttaatattt当地 tcctatcatg catgtttccct 360
ttgttgggtg tggttgggtggt gttattt当地 ttattt当地 tattattatc atagaatatg 420

<210> 2321
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2321

agctatgcat ctcatatctc ttccgcaggc cttctctttt gccgagctac atgaggataa 60
gttggaggac cattgccgc cttaccgacc tcgtcacaca cccatcacca ccactgcgct 120
accagagcga gctatcttac ctccaccacc caacctggcc tgcaccctt cccattccag 180
accccaagtt aaacatctaa ccccatgaga aaggcccgc gaacgcgaac aaggcctatg 240
ctataactgt gacgacaaat aaggcccaa ccatcgntgt cgcgctcatt tctttntggt 300
gattgccgac aatccttagca ccactatccc actcgaaacc tatgttacca naccacctat 360
cccaccttct tt 372

<210> 2322
<211> 403
<212> DNA
<213> Glycine max

<400> 2322

tcaagtaaga accttgaacg aaaatgagga agatataaga cgaaaaaaga ggtttaaggg 60
cttcttacca aggcttgag agaacaagtc tcaaaacact aagatagagc tcgcattacg 120
acgaaaatgg tggccttcc ctccttgagt atctcgtaa aatggaacag aatgacagtc 180
caagttgtga tttttggaaa gaaaatggtg agaaacgatg gaaaatgatg caaggctatt 240
gatgtattag attgacaagg ttaaatgacc atagtatagg ccatcttggc catgtcaatg 300
ctagccataaa gtaagtagtt taggtttga attttagcc aacaatggta aaaaattgg 360
tttaatgaaa tagataaatac atatcttaaa tgtctagaat aac 403

<210> 2323
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2323

agttcanag gactaaccgc ctgagatatc tttgtttcc cttcacaaa gtttcaaagg 60

actaaccgcc tgagaacttt gtcgtaacac attggagggt acatccttg tggtacaagt 120
agagggtaca tctactgggt tgggtgact gagaacaaga gagggtacat ctcttgtgga 180
ttagttcaag tggagggtac atccacttgg ttgttcaaag agaacaaggg aggggacatc 240
ccttgtggat ctttgcttg aaaggatatt accaggttga aaagaaatct caatgact 298

<210> 2324

<211> 248

<212> DNA

<213> Glycine max

<400> 2324

tctaaggagg tgagcttagt tatgagaggt gtgtatgtat ctaagctcta gcttctcaaa 60
gaagtattct ctaagaagct actcaaggaa tgggtctcaa gatagcttct caaggaagct 120
acctagtcta taaatagaag catgtgtAAC acttgggtta actttgatga atgaaaggcct 180
tatgagatac acttcacagt tccacttctt tccctctttt attcctcaa tatcggtctc 240
cccccttc 248

<210> 2325

<211> 357

<212> DNA

<213> Glycine max

<400> 2325

cttagctat gtgtgctgat gttggctaca cagatagAGC atctgaaatt ttttatgaaa 60
tggaaatTC tgggacttgc cagcctgaca gttggacatt ttcattccatg attaccatgt 120
atcccccgag tggtaaagtt tcagaggcag aaggatgtt gaatgaaatg atccaatctg 180
gatttcaacc tactatTTT gttatgacat cactcatctg ctgctatgga aaagcaaAGC 240
gaactgatga tgggtgaaat atattaaac agtcctgga tggggcatt gttccaaatg 300
atcacttctg ctgttctctt ctaaatgttc tgactcaaAC accaaaAGAA gagcttg 357

<210> 2326

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2326

agctngcagc tattagaaga gaaagaacat gtgattagaa atatgacaga atatgttagt 60
tagtttgtca gatggattgt gaaggaatgc attaaccaca tcccgatgag agtgtgatcc 120
ttaaattntg agagcaacaa ctattattt gtactgatt ttgcataat ctttgaagta 180
tagactgaat gcatgaattt aggatgatga aggccatgtt ttgattgtga tagctactta 240
gccaaaaaga tgaccttgta cttgaatgaa ttatccctta tttgagttga atgaattatt 300
gattgggtga accttgagcc tatacagtgt tatctcctac taccttgtct taggtttag 360
gagagcatca tcaacaaaaa gcttggttca aagaanattt gtcccanatt tggnggaaaa 420
tactgggtaa gaattgaaat ggtccaagta aatagcatg . 459

<210> 2327
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2327

ataacgcttt catctttcc accaatgttag agaacactct tgctgtatgt atgtgtgtat 60
attntgtnt tctttntaaa aatttatata tatatatata tatatatata tatatatata 120
tatatatata tatatatata taaatctatg aaaaattgtt caatccacag 180
gtttatcgcc ttgaacggtg gaaaagctga accgctctat aataaaaaaaa atattaaaaa 240
agtcaaagca agatatttggta ttcaaattgtg gtgtacatac acgacaaatt ttcaactgca 300
cttcgctctt ttaatgacac ttttctatgt gtctgttacc cgcaaattaa ggcggaaaat 360
gacatagagc gtgtgaatat aaattttttt gtttgcttt atacaacatt gaaaagacca 420
acataggtta tcattgtatgt atctttgaga tataag 456

<210> 2328
<211> 430
<212> DNA
<213> Glycine max

<400> 2328

tgatttctat acaaaaagtga ttcatgtaaa gcgactaaca tactccccca aatttacaat 60
tttacttgta ctaatcaaa gaaagaacag ttcaacttgta ctcaagtgac aaagacaatg 120

gccaatcaaa agaaaatggt gtttgattca tcaaggacgt caaccatatg aactgaatac 180
catggaatgc tttaaatcaat tacttctcac aagcatgcag tttttcaaa gataagagca 240
caagtattag agtcacagct gaaataagct agtaagcatg agaaatcaag gaaggatcat 300
caaccaaaac ctcacagtca ttgtttcact caaactctt tttggcttat tccatcataa 360
acaaccagca cgagttccaa cctttgcat taatccta tcatacagta atgaacacac 420
aaaaatgaat 430

<210> 2329
<211> 445
<212> DNA
<213> Glycine max

<400> 2329

tgaaggtaaa ctagatgcct tggtaacct ggttaaccaa ctggccatga atcaaatac 60
tgcacctgtc accagactct gtggttatg ctccctgccc gaccaccaca cagacctttg 120
tccttcgtg caacaatctg aagcaattga acagcctgaa gcttatgctg caaacatcta 180
caatagacct cctcaacctc aacagggaaa tcagtcacaa cagaacaattt atgacccttc 240
cagcaacagg tacaatcccg ggtggagggaa tgatccaaac ctttagatggt tgaatccttc 300
acaacaacag caacaacaac cttattttca gaatgctgct agcccaagca gaccatatgt 360
tcctccacca atccagcatc aacaacaata acaacaacaa ccccagaaac agcaaacaat 420
tgaggctctt ccgcaatctt ccctt 445

<210> 2330
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2330

acccgctgca tgcctgctnt gtccgcanat ccctcattta agactacacc caatttagac 60
aaccctctta ggtttagact aacttaaact gagttntgtc cgcagatccc tcatgtaaga 120
ctagactcag ctcaggtac ttactaaagt ttgcctaag ctgtgtcgc agatccctca 180
tgtaagacta ggcttaaact aaacagcata attggaacaa cataattaan accaaaactt 240

aacacgcaga tccctcatgt aaggctaagt ttcaatacta cttcaatcaa gttctaaagc 300
aacagtacac tttccaatgc taaagtccacc taactgtgca cacaaatggg tgatcagacc 360
aaaagcatac aaacattaag cattgaacaa agaagacata atanattaga tattaggtat 420
ttacatcatt nggtcattag aaatccctaa ctatgggggt tagctagcca ttac 474

<210> 2331
<211> 447
<212> DNA
<213> Glycine max

<400> 2331 .
gactcaagga gagacttaga atggctttat agtagagttt aaaaaaaacta taaaaaaaaa 60
gactcaacaa acctctagct ttggcccttg ttttcacac taatttcaa tttaaattta 120
gaaactaaga ttggtataaaa ataggaacca attatagaat aaattgtgag ccaaaacaac 180
aagcacactt ccctttcact tttttttca tggatactga ttttctgct aaattgtgtg 240
attttagta tttttcctt ttattcaa at cacttggttc ttttattatg acttttttc 300
ggatgtctag aaaattcagt aaaactttca gctccaaatt caaagtaacc aattctcagt 360
aattttaca agtttgtatg tcccagttgc cagcacgagt gattttttt ttaagcatgg 420
tatattgatt gccttggct tactttc 447

<210> 2332
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2332
catgcaagct ntntcacagt caactgtgaa gaccatgcaa ggattgcttc tggatntagc 60
ttcagctata acctcattag caatcaacac accatgaaga atatgccttc ct当地tcaac 120
agcagttgc ct当地catcaa tgaggtgagg gaaaacaaga gccagcctat tagccagaat 180
tttggacact attntataaa cacaccat aagagagatg ggtctataat cattaagaga 240
ttgagggtta atgatcttgg ggataaggc tatgaaggaa gcattgcttc ct当地gggtta 300
taagccattg atgaagaact catccaagaa ccgaataaaag tcaggtttta gaatctccca 360
naacttcttg ataaaattaa agttcaagcc atccgagcc 400

<210> 2333
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 2333

tcctagcggt ttctaattat atgggcattt agatctatca tatgttgaca atagccgaga 60
 agtccatgga tctcctcggg ggcggagtag gtgtccgcca ttgcttggc cttggctagc 120
 aatcgggaa gttcttact cccgttcaag gtaagagcaa atcggtccat ccatatcgtt 180
 gcctcttgcat gtaacgagtc gatcaccctt cctcttagcct cctttccgc gtacacttgg 240
 gcgtactcgt ccgccactct atgctcatgg gctggggcta gatttagttc ttcttggcac 300
 ttgggtatga tagctaacat gttggctct gtttcgcata accgctgaga caagtttctt 360
 ttggaccttg agcaaacctt caactcatct ttcaagatca aactgtctac tcgtgattgg 420
 tcccttcctt ctctccggag cttaagctcg ctg 453

<210> 2334
 <211> 270
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations.
 <400> 2334

agcttngca tatcanatca ctcctacatc tcatactctag catgcattnt ctttctttac 60
 ccactcctca cgtttggttt tttagggaa aaacaccata actaaacgctt ccgcaaggga 120
 tccctatcga accagatcca aatctagaac gatgggtat caagaggaga cacaggaaca 180
 gatgaaagcc gacatgtcgg ctctgaaaga acaaatggcc tccatgtatgg aggccatgtt 240
 aggtatgaag cagatcatgg agaagaacgc 270

<210> 2335
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2335

ntcataggtg aaatcaggtg caaccatttc ccttagagtc ctctcacgag gtggaggttg 60

tgccatgttc tcagaatgtg caaaatcaga atgctcagaa tcagaatgct caaaattata 120
atgctcaaga tcaggatgtt caaaatcacc aataacagaa tgcacagatt caccagttat 180
ggaatgctca gaatgatcaa aaggataaaa atgatgccta actaatctat gaaatgtcct 240
atctatctca ggatcaaagg gttgtaagtc agatggattg cctctagtca tacactacat 300
tcagcatgca cacaactagt tgctttgtca tgtaaataaa ggtgttaggtt tgaactacag 360
ctaccctcaa atgatatcca aatgactttg aaatttgcga gcaaccttat aaaatgtga 420
gaagata 427

<210> 2336
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2336

agctngacct ttgcccatgc tacccatgtc taaagccaat ggtgcaactc caactggngc 60
atcaaaggta gtctgtaaaa gtataaaaag gacgtgactt taactgcattc tcaaaagggt 120
cccttttct tgcatttata ccaacttatac aatatatggt aaccatttct tagtacaatc 180
tcatcaatta ttttttctt ctagctcata tttgtctaatt agtaaaaata agtttcatga 240
agtacggatg accccagaat gaatggaaag aagaaaaagt atttgcgga agtagtcaag 300
attnaattcg taaaaggta gcaaaaatat ggagggttga caaatgaaaa gaaaataggg 360
gtagtttaat ctccacaatg aaaactttac atttctaccg ctgtatata tgaatagaaa 420
tt 422

<210> 2337
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2337

nttcaaagtt ntctggttnt ctaaaccttg aaaacttggt ttattcatct ttccattctc 60
ttctccctt gccaaaaaga attcgccaaag gactaaccgc ctgaattctt tttgtgtctc 120
tcttctccct tttccaaaag aacaaaggac taaccgccta aattctttg tgtctccctt 180

ctcccttgc aaagaattca aaacgacaca gtctgagaat tctttgatt cttcccttc 240
cctaatacaa aagtgttcaa aggactaacc gcctgagaat tctttgtat ccccattcac 300
aaagtatcaa aggttaata gcttgagatc tttgtctaa cacattggag ggtgcacatc 360
tttgttaca agtagagggt acatctactt gtatggact gagaacaaga aagggtacat 420
ctcttgtaa tcagttctag tgg 443

<210> 2338
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2338

agcttcaaga ttaggccaaa ctccacttct atatctgatn tcaagcttac ataggcgtct 60
ttgttcgcgc tcgagtgcctt agcgacttc tgaaccgctt agcgcgtgtc ataccctaat 120
ttcgttcggg gaccattgtt tcatggcatg caaccttgc ttgaccgctt cgaggtactt 180
ggcacccatt ggtgcacaat acgtgaagtt ccataacgtg cccgaagtca aaagaaaagca 240
ttgttgcacg atccgtgaag ttccgttaaca tgccgaaaaat caaaaggaag cattg 295

<210> 2339
<211> 435
<212> DNA
<213> Glycine max

<400> 2339

tcatcctcag atcccttgc ttggacttagg ctcaacttat gtagcccttg taggtttaga 60
ctaatttaaa caaagcttca tccgcagatc cctcattaa gactaggctc agcttaacca 120
gcttacgtaa gcttagacta atttaaccta agcttcgtcc gcagatccct cttgttgc 180
taggcttaaa ttaaatagca ttatcatcac agcatattaa gaaagctaaa acttaatcct 240
caaatccctt ttgttgcctt aaggtAACAG tacatttccc aatgctaaag tcacctaact 300
ggacatacaa atgggtgatc agaccaagag catgcagaaa ttaaggcattt aaagaagcat 360
tgaacacagg aaacacaatc aatttagat taaagtaatt acatcagttg ttcccttagaa 420
attcctaaca agagt 435

<210> 2340
<211> 249
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2340

agcttgagat gaagaagtgt tgaagggtga aacttcctgc ttttattgtt gaccacagag 60
tggtaacctgg agatatgtcg cggnggtcag gagaccttgn ggacgtcagg tgggtgcta 120
ttgccccaaa ccaagcttga ccaatcccga cccaaacccgg gcatagtcgg tcagtgagaa 180
cctgtatgt acctaaacag gagagctcct ggcagtcaac ggataaaagg aacaaagacc 240
acaaagcaa 249

<210> 2341
<211> 443
<212> DNA
<213> Glycine max

<400> 2341

tcaagaaaaa tggcctcagc aaacttctta ttccagaat gaaattcaat caatagacct 60
ccaatcttta atggagaggg ttaccactac cgaaaaaccc aaatgcaaat ttttatttag 120
gcaatagact taaatatttg ggaagccata gaaataggc cttatatacc caccacagta 180
gaaagaattt caatagatgg aagcacatca agtggaaagca taacaataga aaaacctaga 240
gatagatggt ctgaagagga tagaagacga gtacaataca attgaaaagc caaaaacata 300
ataacatctg ccctgtaat ggtatgat ttcagggttt caaattgtaa tagtgctaag 360
gaaatgtggg acactctaca attaacacat gaaggaacta cagatgttaa aagatctatg 420
ataaacacat taactcatga ata 443

<210> 2342
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2342

naagcttcat gatatggctc tcgcggcaa attgatcgaa gtgggtctga aaagaggcaa 60

atctgatcat cttgcttga taaatgcaaa aaaaaaaaaa aaaaaaaaagc tggggcaaat 120
aaagagggtg aggatgaagg agaagccgt gctgtgactg ccattctat acagcccagt 180
ttccccaccaa cccacaatg tcattaactc agccataacc aaccttttc ttacccaccg 240
cccagttatc cacaaggcc atccctataa caaccacaaa gtctgtctac cgca 294

<210> 2343
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2343

tctcaaggag gtgagcttag ttatgagagg tgtgtgtga tctaagctct ancttctcaa 60
ggaagtttc tcacagaagc ttctcatgga agtttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttgttgc aactttgatg aatgagatgc 180
ttgtgagaca caactcaaag ttcaacttct ctacctttat ttcttccttc aatatcgatgc 240
tccccctct ctcttctct ccctcttct ttccctccat tgaagcatcc ttgcaagctt 300
cttatccaag gctcatcttg gtggagaagc tccttcttcc atggcttatt ccctagtgaa 360
tggcgctgc tctccgctcg tctccttgc tctccgctgc atc 403

<210> 2344
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2344

atcatccccca tctacaccaa tgtccatctc atcagcaatc aaagatttg aactctggcc 60
aacaatattg tgtttaaatt tttctacact caaaccaccc ttgttcagaa attcgttatc 120
atgttctttt gcaagaacag aacccaagca agttgttca ggacaatct gcaccttgg 180
gcaaaggctt gccatctggc acgaccatc attgattgcc atagatnttgc aatcttact 240
gtaatcaact gaagaaacat tggttntctt caatttcccc tccaaacttgc ttgaaaaatt 300
ctcaccttca ctacaagggtg cgggtggta tgagaatgca tcttgagtaa caggcacggc 360
gtctttata gtacttttag gtgcataa 389

<210> 2345
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2345

tatcaagtan actggcttga cacactatgc atcagcaaca tcacagtnta tacaaagcca 60
aacattattt ggcaaaaaggta acgcaagtta aaaataaaaa cattagtgtt acaataacca 120
aaccaaatat ctattcctgt gaataatcg accatatttt atcaaggcat ttacattcac 180
aagttgcaag ttataaaaaaa ggataactggt tatcacaag tcctcatcta atagtaattt 240
caataacaag ttgctttgtg cggttattta aaatttcaag cacttctggc aaggggataa 300
aacacgatataaaaaa 315

<210> 2346
<211> 264
<212> DNA
<213> Glycine max

<400> 2346

agttgcctc atatagatct atgaaggacg cttcgccgc aaggactaat gtcgcttccg 60
agtttgatag ccatcgtttc aggagcactg aacaccagca gcgttcgaa gtcatcaagg 120
gatggccctt ccactgagag agacacatcc agtcaggga cgacgagtac acgaatttcc 180
aggaggagat agctcgccgg cggtggacat cgctggtcac tcccatggcc aagttcgatc 240
cagatgtatg cctcgagttt tatg 264

<210> 2347
<211> 266
<212> DNA
<213> Glycine max

<400> 2347

tgtctcagcg tatatgcgag acggagacca acatgcttagc tatgatgcc aagtaccaag 60
aagagttagg gctatccact gcccacgagc atatgatacg ggacgagtat gctcaagtat 120
acgcggaaaca agaggctaga ggaaggatga tcgactctt acaccaagag gcaaccatgt 180
ggatggatcg gcttgctctt accttgaacg ggaggtaaaga actgtccctc ttgttagcca 240

aagccaaacgc gatggcagac acctac

266

<210> 2348

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2348

ttggggacct cattgaaact canagatcca gcctccatag aagttcaca agtaagcttc 60

catcatatcc tcttaggcaa caacactgtg gcagtaggga ctaccagcga caatgcata 120

ccaaaagaag aaaactctag atgaggcttc actgtcatca agtgagttag agacccagca 180

tgaccacaga tcgacctcca ctccttatgg ctcacataga cccgggtata aggctaata 240

tctcaacatg tgtgcgaggt ttaagtgccatgtgcgtaa naaaaaatata ttctaactat 300

aatgttanc gataaacaac cacacaccaa acacgacaa 339

<210> 2349

<211> 141

<212> DNA

<213> Glycine max

<400> 2349

tcacacgtct gatatccaca atggagtggg aaaagtttt gtctcggtac aagaggagaa 60

ggatgccata tatgaatatt ccgaagccac ttatataat aagcatttga tctaagtatt 120

agtgaagact gcttaatcag g 141

<210> 2350

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2350

agctntctcc cttatggct ataaataggg gtagaagtga agaagaaaat gtttaacccc 60

ttaggcacctt ctctctcttt cgaatttgct tgaaaaatt gttccgtaa agaaaaatcta 120

agccgaggcg ctccgaaac gttccgtaa ggaatttcgc gaaggttcg actgttcttc 180

aacgttcttc attcgttctt catcgntctt cgatcttcaa cggtaagta cctcgaacca 240

agctttcaa ttcactctat gtacccgtgg tggccacat ttgcgttcat gtatTTTAT 300
tctcgTTCC atttacttttataacccttt tttgacgtgc ttaaggcatt tatttaAGTC 360
atTTCTTGCT taatgtaaaa ataanataaa ttTCCACCGA tcgTTGAAT tgtatCATCC 420
cgtaatttg gttAAAT 437

<210> 2351
<211> 431
<212> DNA
<213> Glycine max

<400> 2351
tgagccaaaa tcctgactca ccataaacct tgaccCATTG tgagaatgtc aatccttacc 60
ctcagaagca aaaaaaggga gagggaaaat ttccaatcaa agagaaagca aataatgaaa 120
gaaagaaaat ttccaatcaa aagagaaaag agaggaaagg aaattcccaa tcaaagaatg 180
ggagaaagca aaaagaaaag atagaaaatt cccaatcaa gaatggaga aagaaaaaaag 240
agaaggagaa gaatgaaaga aagctcctga tcaaggatcg aaagaaaaca gaagaaatgt 300
gcagagaggt ctctggacca aacaatatct gaacaaatac ggaattgtca ccaaatac 360
aaaagaaaga atagggaaacc ctaacctaAA agtggcttc tcccttgat taccaaccaa 420
aatcctgtgc g 431

<210> 2352
<211> 362
<212> DNA
<213> Glycine max

<400> 2352
cctctgagtc acctgctgca tgcAtgctag gaccgtgccC aagttgagcc tccaatatAT 60
ccaccgttgg gaaatattAG actttgagaa cttagctac tattatATct tggTTGGTCA 120
tattctctag ccttgcttcc ctaccacgac aagggtaaaa gcatgcAGTT gtctaaacca 180
cataccttca tggccTTTT tcattatcat ctggacccac ataagccaat tgattcTTG 240
tctttgtgga ttagagtccc accaaaaAGA attcatcatc tgctacaatt catcttcaag 300
agtggaaagga aacatataca cactcatgta ataagtgggt atagatcgag caacagatt 360
ta 362

<210> 2353
 <211> 456
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2353

 ntatgtataga ttactttaat ttaatgcattt attntttagttt ttggccgaca ttgtacgtgt 60
 taatttggtt accataaaact tagccacatg atatgtttct tttttagaa acctcataag 120
 actttttttt tttatattaaa aaatttatcgta caaacaactc ttttttttgtt ctttttttgt 180
 ttaatattttt atccgcctga tatgtacattt gtcaggaaaa atgttgagga tcttgcattt 240
 ctggactt tatattctac ttcttaggctt tgcaaaattt tttttaattt agatgttgca 300
 aatgtatgaaat tattagacaa gtaatctgct ttcaattttc aaattgcattt gtatttgtt 360
 gggtgcataaa atatatattt ccatttcctt gatctgttctt gtaatctgag taaatgacaa 420
 tatacatgca tatcttctca cctatcgaaa ataaaa 456

 <210> 2354
 <211> 432
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2354

 catgcaagct tccacaatat ccaagcaattt caatntccaa tctcaagaac taccctttac 60
 caaganaaca gggcagagggc agaaaaactctt gcccaaaaca cattcacata ttacagcttc 120
 ctttactcaa ataccccagt aacattctct tcgttccgat tcgttaaccg ttggatcgac 180
 ttgaaaattt tactggaggt tccaagtaca tgagtttaca ntttgaccgt tggatctgc 240
 tagaaaaatgt ccagaaccca atatgtacta ctttcccaa aaccagcaat gcacaaggcat 300
 ttttctgcac atttgatcaa attggctgca caatttgaca gctnnttgct gcacaatttg 360
 gcagattaga aatccatcta cccacatcaa ttgctcaat cgatctaca agtctaaata 420
 tgataaatca ta 432

 <210> 2355
 <211> 435

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2355

tccatcaagt ggtaatcaga gcacaagagc ttcaagttagg tgctccttaa acctccatta 60
attntttgct ttaccttctc ttccattgtt gtttcttcat ttttctcca agtatctcct 120
caaatgtctt gtgataaaatg ttttaaacat gattcttag agtttccacc gattaaactt 180
gctatagaag ctagatttga ttttctatgg ttcanatttc ttgttcttgt tcttgaacca 240
tgaatttgtt tgagtttacg ttcccttgag ttttgccttg ttatttttg tggctgaaac 300
ctaaaccata aaattcttac aaaaatatta aagtagttaga aaacctcaaa aatcttagagt 360
gacttggta cctattgttag ttttgcata gaagtcatgt ctagtcaaga aacttgcac 420
ataagatttc ttatg 435

<210> 2356
<211> 386
<212> DNA
<213> Glycine max

<400> 2356

ttgttgcaa gcttgcacc catctcgccc agatgagctt tggtgcttcc tccagaaggc 60
accacaatga tgcttgttt gcacaacaat gctcttttg acttccagaa tggcgaaa 120
ctttacggat tgcgcaacaa tgcttggtaa acatttcaga atgttacgga actttatgga 180
ttgcacaaca attcttgcta aacattttga ggcggtcaag agaaggcgt atgccaacac 240
ataatgtccc ctgacgaaa ttagggatag acagtcgtcc ctctttactt atctttattt 300
ggagataaaa gtgaagtata gataagacac taatttcgtt cgagtggAAC atgatttgcg 360
cgatcaatat ccctacccgc ggacct 386

<210> 2357
<211> 430
<212> DNA
<213> Glycine max

<400> 2357

cgcttgaaa atgatttcta tacaaaagtt agtcgtataa agcgactaac aaatcttcag 60

taatatcccg ccaaaccagg aaaactccta atctcacaca cagacttaag actctcccac 120
ttaagtacaa ctcttatctt agaaggatct atatctatac tgccttagga ttcacatgt 180
cctagaaaaac taactttatc taaccagaac tcacacttgg acaacttagc ataaaagttgt 240
cggttcctaa ggggtgcaa cacaatcctc aagtgcctt catgcctt tctagtctt 300
gagtatacca aaatatcatc tatgaaaact accacagaac tatcaagata tgggtgaaag 360
atcctattca tgtaaactat aaacacacca gggcattag tcacaccaat gggcatgaca 420
tactcatagt 430

<210> 2358
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2358

agctntntat ttttagtaga tgaagatgaa ttctgtggca cctcatggac tcctctaaga 60
acaatagcat catttcttga actgaattgt tgggagttag aagccatctt ctcaatcaaa 120
ttccttagctt cagtaggggt catatcacca agagctccac cactggtagc atcaatcata 180
ctcctctcca tggtgctaag tccctcatag aaatattgaa gaaggagttg ctcagaaatc 240
tggtggtgaa ggcagcttgc acacaatttc ttgaatctt cctagtaatc atacaagctc 300
tctccactaa gttgcctgat gcctgaaatg tctttttga tggcagtggc ccaagatgaa 360
gggaagaatt tctccaagaa caccctctta agtcatccc agtcgaanat ggacctgaga 420
gcaaggtagt atagccaatc ttttg 445

<210> 2359
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2359

tgttaggatta tggngtaccc atcacatgtg gtacttaggtg ttggtcgggc gatggcgcac 60
aacaaggtagt ccacatccac aatgcgcgca taaacccacc atccccgtt gcccacctcc 120
aactgagctc acgtactccc acgttagccca tattcctcggt tctctcaaca ccgggtcccc 180

atcaatcctc ccaagcttcc acaacatcca agcaaaacaa cattcacaca gcacaagcta 240
tcacagccaa gcaaaacaaa gcaaaggcag aaaactctgc caaaacacca accaaaaatc 300
acagctttc ccactcaaag accccagtaa caattccttc gatccaattt gttaaccgtt 360
ggatcgaact ccaaattta ctggaagtcc atagtgcata agcctacant ttgaccgtt 420
ggatctact 429

<210> 2360
<211> 197
<212> DNA
<213> Glycine max

<400> 2360

tagagagagg aagactaaag atttggatcc agtacagtgc gctaaggatg aagaaggcaa 60
agtcttattt cctgaaaaag atatcaagga aaggtggaag gcgtatttcc acaacttact 120
taatgatgga tatggatatg actctagcag tctagacaca agagaagagg accggaacta 180
taagtactat tgtcgga 197

<210> 2361
<211> 429
<212> DNA
<213> Glycine max

<400> 2361

tcaattcctt ctacgtctca ttgatgttg ggaactctat tggagtagtc ggaggaaaaa 60
ctggaggaat ctcagggaat cgctagagat gccgctatcg ctgtcagaag acatgtgagt 120
ccgcttagag gtaagggatg agttattcac aattgggggt tagtatttag aacatgtgta 180
gggatcctta gaggattaaa ttggggttt atttgggat gtttattaaa ttgcaatttt 240
tccttatga tcataaataa aatattgatg ttacgatgag aatttcttga taaattgtgc 300
tcttgatatt tgtatattt gacctatgat tttgatataa ttgtgtataa ttatggaga 360
ggtttagtc cccaggttgt gatagtctt tgtataaact gttatattga ggatataaaa 420
ttatgattc 429

<210> 2362
<211> 339
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2362

agctngata cattattctc cttgcctgca tcttanaacc ttctgggtgg gtcatataga 60
tgtcttcctc taaatccccca tgcaagaatg tagtttaac atctaactgc tccaaatgaa 120
gattctctgc agtactatg ctcagaataa ctctgatggt agtcatctt acaactggag 180
agaagatctc tgtgaaatca attccttggt tctgctgaaa cccttcacc acaagtctcg 240
ccttgatct tcttctaccg tcagattctt cctttagcct atagacccac ctattctgta 300
atgccttctt tccttctggc aatttaatta aagaccacg 339

<210> 2363

<211> 433

<212> DNA

<213> Glycine max

<400> 2363

tctccgtcta ttccctataa atatgtgtca taggaaatgat tatagacgtt caacccct 60
ggtatctgag gatcacttga aatttgtaa aaaaaatcggt ttccgtgaag aaaatccaag 120
ccgaggcgct tccgtaacgc gtctgaaacg ttccgtggg tgattccgtg aagattttcc 180
gccatctatc gttcggttcat catagatctt gttcggtctg cgacttaaa ccgataagta 240
cccgaaatcg aactttcaa ttcattctat gtacccttgg ggggttccac ttgtttcgcg 300
tacttaatt ttcatttcat ttactttctg tatcccctt tgacgagcgt tagtcattta 360
tttaagtcat ttctccctt aatcaagaaa taaaataaac ttgcacccgat cattaaattt 420
ggtacagttg ata 433

<210> 2364

<211> 365

<212> DNA

<213> Glycine max

<400> 2364

agcttgtgtg atgaagataa acgaactaga tacaacccccc agatgtttga ctttcttctt 60
tcgtggatca agatgacacc accatattac ggtcttgcta ggcctgtcga gattatcaag 120
ttgttgtcca attttgatgt caagccggag gatttaagg agactttacc tgctgccaag 180

tcacctaaga ccgtgctcac ggtaactcgc actttccat tagggactag atgcctcta 240
tgcttagaga ttgctgtgaa acagggtaca tcgtctgaag tagggattcg agcttattag 300
ttgaaggacc ataaggatcc atagctgatg gaggaggaca cagaggagac tcctaacggc 360
gatct 365

<210> 2365
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2365

gtcaacagat gtttcacaa ataatcatca cacagcagat atctaacaaa actacccctc 60
atatctccca gaacccata cccacgaaaa tcaagagggaa aagaagtccaa cccaaacctg 120
aaatttcgaa gtcccactcg tagccacgca ctgcacgact ccaaaaatgc tctccttca 180
cgatttgggg cagaaatggt ggccaaaggt tgaagctatg cttgaagctt caatggagaa 240
tgaagaagaa gacagctacg tgagagaggg agagaaaagg cttctgaatt tctgctttgg 300
ctgagtgagg agagagaaca gctnttggt taaaaataa aaaggggaaa cccttttcc 360
attattatat tcaagcttg ccacatgtcc cctattgatt ggagcaaaag ggcccacttt 420
ctcttttga ctgtgatcca tact 444

<210> 2366
<211> 414
<212> DNA
<213> Glycine max

<400> 2366

gcttgatgat tatggtgac ccatcacatg tggtaactagg tggcgccgg gcgtatggc 60
acaacaagtt ttccacatcc acaaagcgcg cataaaccca ccattccctg ttgcccacct 120
ccatctgagc tcacgtactc ccacgtagcc catatcctcg tttctctcaa caccgggtcc 180
ccatcaattc ttccaagctt ccacaacatc caagcgaaac aacattcaaa cagcacagct 240
atcacagcca agcaaaacaa agcaaaggcc gataactctg ccacaacacc aaccaaaatc 300
acagctttc tcatttataa gccccagtaa caattccttc gatccaattc gttaaccgg 360

ggatcgactc cacaatttac tggaagctat agaacactag cctacattgt gacc

414

<210> 2367

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2367

tccatcaagt gtttatcaga gcataagagc ttcaagtatg tgctccttaa acctccatta 60

attttttgct ttaccttctc ttccattgct gtttcttcat ttttctcca tgtatctcct 120

cacatgtctt gtcttaaatt ttgttaacat gattatttag agtttccacc gattaaactt 180

gctatataag ctagatttga ttctctatgg ttcaaatttc ttcttgttgt tcttgaacca 240

tgaaatgtgt tgagtcttgg gtccttgag atattgtctt gatatttattt gtggctgaaa 300

ccctaaccat naaacttctt aaaaaata 328

<210> 2368

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2368

gatgttatg aattaatng acattatgtt atatntattt atgatcaact tgatagtaaa 60

ttaaaaaaat gtgaactcaa ttggcataag ctatacaata gaataaaattt atgcactttn 120

tacacatcac tgactaaata aaaaaatgt tgtaacataa actaattttt catcacttta 180

catttctcaa gaacaaaagt gtttatttac accttctttt atctaattgaa attcatgtca 240

aattcattag ttaaggaata aaactcatta aataattaat aagtgataact acataattta 300

ctgaatttta cgtgattgta atttaataat aaaaatgtta ataatatattt aatatatattt 360

tatgaacctt ntcattgcc caataaaaat aaaaaagtta aataattttt gtaatcc 417

<210> 2369

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2369

cctgtntatt ccttaacaag ggtcaaaata tgacacaaac tntttctat tgtgtgaatt 60
ntaaaattga ttgaaatatac tataaaagat aattaagttt aattttatga aaagaaaatt 120
aattaatatt tatgttatt atttagtgta aattcaata gaaaattcta ctattatcga 180
gactgtgttgcatgctgata gtgttagaat acattgtata agagaacaaa ccatcgataa 240
aaaaaataaa ggatttaatt ataaatagtc tctaatgatt ataatttagat tcctgttaaa 300
aaataaataaa aatattcata aatctatta taaaatatgt agtaatctaa aaataataat 360
aacaacaatt aggcaacaaa atagcttaca tacaacaat aaccaataat 410

<210> 2370
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2370

agttccag attcgatcat ggaaggactt gtcaactgct ttcattagc aataccagta 60
caatacggat atggctcccg atcggAACCA gcttcagagt atgactaagc gggagcatga 120
gtccatTAAG gaatATGCCC aaAGATGGAG agatCTCGCG GCCAAGTCG TACCGCCCAT 180
gacggagagg gagatgatca caattatggt agatacgta cccacgttct actatgaana 240
gctgataggc tacatgccag ctaacttt 268

<210> 2371
<211> 375
<212> DNA
<213> Glycine max

<400> 2371

gggcacatg gtaatgttcc tcctgattat aaatccagct gctcgcatca cataaacctt 60
ttcatttata aatccattca gaaacacact ctgtagaata gaaagagagt ggtccaaaat 120
taccatgaat gatatccaaa gggattgtt cgtcagttaa tggctctcta ggagctgcc 180
ttttgaacct ataaagggtt tatggaaatg gacgtggatg cggtcggtt gtttgtcac 240
acttgcacag tgggtgtga ggagagtcat caatggattc atcttcaaattt gaggaaaaag 300
ctagatctat ctgggtctg gtgaaggaaa tacccattct ttgtcctaattttgg 360

ccttgagccc ttgtc

375

<210> 2372
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2372

agcttgtggc agataatgct agggtgatt cctggcatgt tagatggttg tcaagcaa 60
aggctgtgt tcctatgtaa gacatcaact atgcgtctgt gctcatggct ggtgagg 120
ctgtttagct acatgcacta cccgagttt ggtccgagtt gtagcttgac gagttctt 180
gtaggcttg ggcctctatc agaagtgtcg ntgcacgaat ctacattgaa tatgttgc 240
aggcttctt ggttagactgt cagggcttag actggagacc ctgcgtccac actcatgatt 300
ttagtggtac catctgctgt ggngtaaagc ttggcaggct ccctgggg aggatag 360
gccactt 367

<210> 2373
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2373

atccccacatg gttgaagcat tctcgcanaa caacatgtcc ctaactggtc tccctata 60
tntacctagt gaaaagtgact tgacttacca ctgtgtggtt tgtcttgtca tgtactccta 120
ggcgctcaac taaattnttt actaatatgg taccacattt tatataagat tgaatcttag 180
tgtacctgtt gcataatatt tgtgtaatga tcattgcgag ttattacatg atggtgggta 240
ataaattgtg tgagtgttag atgctatgtt gtacttgaga tgtgttggtt taaacatgtg 300
attaatgtga aggtgtggaa tgtgattctg tgaataatac cttgagacaa gtgatgttac 360
aaacatgagt agtaaatgat gcgaattgtg atactaagtt gagcttgta tacttatata 420
tgngctnnnt attatctcta ccctg 445

<210> 2374
<211> 418
<212> DNA

994

<213> Glycine max
<223> unsure at all n locations
<400> 2374

agcttattgg ttntgataat atcaactagag aaaatacagc attaaaagta atttanacgt 60
aaaataatca tcaatctta tactatgtct ctttcttgtc agatctcatt cctggtgatt 120
ttattcatgt tattggggat gctcatattt accgcaatca cgtgaggcct ttgcaggagc 180
agctccataa ccagccaaag cctttccag tatgtgtaat gtttagcact tccttaagtt 240
tatctttga ctctcttact tngttacccc ctaatgtact tcattgcaga ctttgaagat 300
aatccaaag aagaaagata tagattctt tgtggctgct gatttcaagc tcataggcta 360
tgatccctcac cagaagaatg atatgaagct gtctgtctaa natctggga ttctcact 418

<210> 2375
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2375

tcaccacgga nagcgtaaac taactgataa aataattatt tcagtttagtt taattnntcat 60
atatnttggg tgtaaatatt cttatattaa ttttaaattt aattaactat taaaataatt 120
acttccttta ttctttagga ccaaaccggc tattaaatgg aatggataat tttttatgat 180
tataatttt ataaagtagt taatttgtt attatttac taagtaatta gtattttt 240
atttccaaca ctgtaaaatg tttttcact ttaatattt cacatcactc gataccaagt 300
taataattat taataagaat aaatcttgga caatagtaat aagtattctt aactaaaatg 360
aaaatctaga taacttaaat ctaagtggaa ataataaata aatataaaaa acatagatct 420
atattgaaaa ataatttgta atctaacact taaaaatatt atataaaaag aatataag 477

<210> 2376
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2376

agcttcttag tttcagatga tgcagatggg tttgttagcta cctcatgcgc tcctctaattg 60

actatggcat catttctggc gctaaactgc tggagttgg aggccatctt ctcattaaa 120
tttctggctt cagcaggagt catgtctcca agggctccac cactggcagc atctatcata 180
cttctctcca tattactgag tccttcataa aaatattgga gaagaagttg ttctgaaatc 240
tgatggtggn ggcaactggc acatagttc ttaaatctct cccagtactc atacaggctc 300
tctccactga gttgtcta at acctgagata tccttcctga tggctgtggt cctggaagca 360
ggaaannatn tttctaagaa tactctctt 389

<210> 2377
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2377

tcttcatgtc tctcctcgta tctctaaca cttaggactca tgtgtttatc atagtaaggt 60
ggaagatgg tcccacatct atctactact ttacacggat gacatgctt tagcatccca 120
aaatttggg ccaattttga ggatgaagtt actactctat aatgaattt atatgaagga 180
catggagtt gctgaaaaga ttctggcaa ggagaataag atggatgaag tccagaagat 240
gatcttctgt gtcagaagga atacattcaa aaattgctaa attgtttgg gatggcatcc 300
gcaaaaatag tatgtactcc cctaataacg tccattcggt tatctataact caataactact 360
cagtcaaataatn tagagaagga atacatgtcg tgtgttcctt atgcaagtgt tgtagctagt 420
ctcatgtatg ctacaccana ccanacctaa cacaagaagt aatggtgtga gtaagtatat 480
tggtattct 489

<210> 2378
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2378

tcttactgtt tattgcaggc ctatagagct ctacaacata attaagagtc gtactaaaaa 60
aaaggtaaaa tctattaaga gagtcttact gtttatgtca taatttataa cttttattag 120
gaattggat atatatatat atatatatat atatatatat atatatatat atatatatat 180

atatatatat atatttgcg tgagacataa cctcataggg gctgattnta ttattggat 240
tattattgtt tattattgtg aaaattgtct ctttctctac ctgttgttt aggagaatat 300
cttataactat ttacttctct ttagtaagac ttatcgcttc ctttttattt ttagctctg 360
ataatatcat cgctgtcgt tctaataata tacatgtctg tcttatagcc actatacctt 420
cgagatgtt tggactacca tataaacgct aagcgcaaga agaagtatac cg 472

<210> 2379
<211> 504
<212> DNA
<213> Glycine max

<400> 2379

cgaatcgaaa cagttggaaa aaatcccttg tgcatgaaga tcaaaggata tgaacacaca 60
aagatacatc accaaagaaa taaaataatg aaagatataa attaaagca gatatcttt 120
atctacattc acacaaacat ctaaacaata ttcaactatct caaattttaa tttgacaatg 180
aattacattt atcctctatt taataatgtc aaaataacaa taaattgata tcttgacaga 240
actataatta taataagagt taaaataat tgtacattat catctactca tcaatcattg 300
ttgttatgt tttaaaata attttatca aagtcaacaa acttataatca tagatgatga 360
ttgaatgata atgtaatctt acattatata atacttttc tcttataata acctatacg 420
aggataaatg cacacattga tccgatgcac agattattag gatcattata tagtatggat 480
tcattggat gatcgatgt gctg 504

<210> 2380
<211> 138
<212> DNA
<213> Glycine max

<400> 2380

taactccgga gcacttaat agtgacatta cattccgacg aatacaggca aaggtatgga 60
ttacaggagc cttttctac tcgcgcattt aagaatcccc atttggtgc tggggcgata 120
tcgaatatgt atcatcgt 138

<210> 2381
<211> 351

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2381

agctntatag cgcaacaaca cagaatctag gcgtccaaca cccctaatt caatgggttt 60
tcttaggtttg aaaagtgaaa ttgagaatga ggtaaacttg aagcaaactc tcacctcaca 120
caagtccata acatcaatct aaacctgctc aaactgaatt tacacctaaa attccaccga 180
atcanaaattt gactcctcaa caccaattn tgccctagaa atagctgctt gntcattttg 240
atcatattgt ctctctcta gcacagtcca agcttctcc caagtcctaa atgacatttc 300
aagctagtat taactcactt taacctccat ttaccacaga attcagactt a 351

<210> 2382
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2382

tcttatccag gcacattctt ggtggtaag ctcccttctt catggcttat tcccttgtgg 60
atggtgccctc ccctctcctc ttctcccttg cttcccgctg catctccatg gtggaaaacc 120
accattgaag ctcaaagatc cagcctccat agaagcttca caagcaagct accatcaagt 180
ggttaatcaga gcacaagagc ttcaagttagg tgctccttaa accaccatta attttttttc 240
tttaccttct ctccattct tgtttcttca ttttctccg cgtatctcct cacatctctt 300
gtgctaaatg ttgttaaat gaatctntag agtttcaacc gattaaactt gctatagaag 360
ctagatttga atttctat 378

<210> 2383
<211> 343
<212> DNA
<213> Glycine max

<400> 2383

agcttgcaca tgcattatgt tctttcctg tacattgaac tacttatatt tccctaatca 60
gctcattcaa taaaatggag gtgttattga taccaatgca caagtttattt tgtttctca 120
agcgagatta gttctatctt ggttcggtca attcccttc tttgtgatag tgaagaaaaa 180

cttgatggtg aatctagtta ccactaacaa cttaggcaaa attatatgta gaaatgagtt 240
agcctataat ataaaccaga aaccaaaga cagcatcaga aaacattcag actgctattc 300
aaactcatac attaaatgt accttgtaaa gcgttaatga aca 343

<210> 2384
<211> 292
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2384

ctgcatggtt ngttattntt caatcataat agtagcaggt ntgatatctc ttcatcattt 60
gaaaaattgt aaccagagat tatggggca gagaagtagg ataactatct ttccaaagtc 120
ttggaaggca aataagcctt tggctggat tttatgtcat gatcctgaca tgtaagtgt 180
tcgagttga gctccaatta taagctcaac aagcttgct tgtacataca ttggaaaaac 240
agatcagatg cttaaagcag tctatcaagc tgaatgatg atgaccagaa ag 292

<210> 2385
<211> 305
<212> DNA
<213> Glycine max
<400> 2385

agctttagg attatggtgt acccatcaca tgtggacta tgaggaggac gggcgaaggt 60
gcacaacaat tctccacatc cacaaatcac gtataaaacc accatcccct gttgccacc 120
tccaaactgag ctcacgtact gccacgtgc cctcatgctc atttctctca acgccgggtc 180
cccatgaatc ctcccaagct ttcacaacat acaagaaatt tcacatccca tcatgataga 240
ctaacagaac caagcataac agagcatagg cagataactc tgtccaaaac acaaaccaa 300
atcac 305

<210> 2386
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2386

ntcatgttac tagttattct tgcaattca acaattgtct gaaactgatt ttagtgctcc 60
ctaatatctc cctaagggtt ttctacgttc taaaaccagt tnttagctta aaattactaa 120
gataagtcgt ctccatctta aaattaagct gctgtttang ttttcaaaga ttcccctccta 180
aacttaattt cgattttcta agtgttccgg gaattgggtt ttcataaattt ttacatgcta 240
cactatattt tcacacctaa naactcantt ttgaagtcaa atatttaaga anaacagttc 300
atacaaccat aacaacctat ggtaagttcc aaaaccctag tcttggttagg actaattagg 360
ctctgataacc actaaatgta acatcctaattt ttctaagact ggaattataat ctntgttatt 420
tcatttatattt attttataaa tctcatttaat ccatttgatt tcacaatcat ctaacacag 479

<210> 2387
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2387

agctntataa gcgcgggtct gggagacaaa ggtcaagtgg tcgcgatatg cgaagaggat 60
gttccgagta cattggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acgagcaaattt gttaaaccttt acggttttaa 180
aagctctata gttgggccta ggcttagag nttttcctt ttgttaaggc gtttgtgtct 240
ttcgaaaaatttataat acgaggacct ttcttcatct gttcctacgt ctctacccat 300
tctcattcat ttgcattgttc acttctttt ctgaaacggc agatccgatg acgagtcggcc 360
ccgaggtact aataacctggg acccgctatc gacttcg 397

<210> 2388
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2388

ctangagaga ccataagaac taaggttagtt cctaaacaaa aatcaattga ggaaacttcg 60
ccaagaatcc ccattgaaaa acctttattc aaacctttca aagtttagtga gaaggctaaa 120
agaaaaattt gggaaacttag aaaaactaaa tccttaattt aaggcgtagg tgacaaccat 180

agtgaattac taaaacaagat tggttagttt cttaaagtca ttccagatac cccccaagcc 240
tctgaaaata cttccaaaat ggtaacaaga agtacctcca aattaatcaa tgttattaaat 300
gaagatagtg accaaaactc agataacaca actgagatag gatcagtgtc agagaagaat 360
ataaatccaa ttaattccaa acactggaag acacccttca aattatatta tcaacg 416

<210> 2389
<211> 552
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2389

ctggattaga aacccttggt agnaaccgtt agtataccta gctattacct gacactatag 60
catactctag cttaagagag tgcattttt atgatacaca aagtactcat gagagattac 120
aacttcattg tagatcactc tctgagttttt gttgagaatc tctaactcta tatcaaactt 180
atggtcgtga aagccacgag aggcttata accaaacaat acttgtgtgt tttagataca 240
ggggagttta aagggtgtgc tagctatgac ctggagaata cttatccacc aaaagtggta 300
gaaaagaact ctgtatcaa tcaaggctga ttaatggaac actgatttgg taaggaaaac 360
tacacgctac tcaggtttag tgaattcatt ataacgaagc actttattac tcttcttatt 420
taccttacca gaatatttag agtctattat tgatacatt tgctcacctg gtttcattgg 480
gaatataaat ttatcatca ttggatgaca atcctntaa tcactggacg aggccttata 540
aacatattat tn 552

<210> 2390
<211> 184
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2390

tctttctcat tctctcaacc acaggtgaaa gaaagaagag agtgagagaa gagaaggtgc 60
tcctcatctc accgctctgt agttttttt cttcaaaac tcgaatgacc catttctatg 120
tttntcgac tcttgccact tctgaagtaa agataacaagc tttgctttt tctcaactgga 180
tcgg 184

<210> 2391
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2391

ntccacttgg cttcttaactn ttgcactctt aacttataac ttataagctt ttaattaagt 60
ttataagcta attgtactaa atataatctt aatagttat ttggtttgat aaatttatct 120
taaatttaca ttttatttta aaagagtaat aacattttaa caccctttt ttctctccat 180
ctctttcttc ttattaaatc atattaccta tcttagatat actgtatact ntctttctt 240
ctctctcttc ttactcgaa gtgttccata aaacatgaat ctctctntat tnnttattct 300
ntataaaaat gtcattatta ttaatattct tttctcttat gagtctcaat ataacctctt 360
ttgtcattta attaggagta ttttatttta caataattaa tataattaaa tatgagagac 420
attcgccact tttaatttta tcttat 446

<210> 2392
<211> 60
<212> DNA
<213> Glycine max

<400> 2392

ctttggattt gaggtcatat tcatttcaag gaggaggaa tgatgcaatc ctacctctta 60

<210> 2393
<211> 190
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2393

taatttctac tccanattgc aaaaggaagc cattctcgga gtcgtgaagc gcacctctac 60
gttgtggac ttcaatttc aggtttgggt ggacttcttc tcacattaat ttctgtggta 120
ttgggttttt gggagatatg atgggcactt ttacttagtt aatgccttat ggtagttatt 180
tgtgaaggaa 190

<210> 2394
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2394

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gcttagcatt tatacgtagtt aagcataacc taactcgta atatgcgtgg tatacaaaca 120
tataatttct acattatatt ttcctatctc tttatttattt ttttgcgtaca ttatattatct 180
tatttcttat tttctttctt ctctcngttt ctttcttcc tatcgctac ataaagatta 240
cagatatacg attaattaa aaatatctgt tgtaagattt tgaanagatt atagacgggt 300
aagaatccctc cattattaat taacaatgtc agtacacatt cccagacaaa caatgctgat 360
catttAAC 368

<210> 2395
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2395

ntaatgagta ganaanataa aagagaagat aataagaagg aagcacatgc ataattttatt 60
tctaaccaaag taaccatggt catggtcgt gtcatttagtc tcattcaaca gtctcatttg 120
tatgtacatc acatcattca tctagcagaa gttcaagaga aagctcanag cagtgcattt 180
ataaccttagc gatgctaact tatacatgtg gttgatttattt atcttattatc tcacatacta 240
tntaaattta aataataaaa aaaagcacga ctgattacta tgcaaaaaatg aagttaggggg 300
aggaacatag ctgcaagcct cacagaagtt ttctctctt tccggtaat gcatgattgt 360
gcatcatatt ggaatccata tcctcatatg acacctgttc attctttagc gctaattc 417

<210> 2396
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2396

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caggcgctcct cagaggtgaa tctgtcagtgc tcatagtgag gctagggcct ggaagctgt 120
gcttccttt tcctagaagc catctgcaca aaagaaaacat ataaaccaag ttaacacagg 180
ttgtatttga aatgacangc taanaaataa aactgaaattt cagattggc gcttatagtg 240
acaaatgcgc gccttattaa aaattactca agcacttagc gtgatagcca cacacttagc 300
gagttgacac aaatcagaat tatcagcaga aaccaaattt cgcttagcac agctagacac 360
gcttagcgcg acaatagtaa tggacat 387

<210> 2397
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2397

ggttctctnt tctattattn tatcttaagc tatgccacat gtctccattt gagtggagca 60
aaagggccca ctccccctct tcatgtgact catgctcagc cacatgaaga gaaaaatctg 120
acctttgaa atgccaaat cttgcctcgg tttgcattgc gttcctctgg ttccagtc 180
tcgcgtttct ctgcgcccgt cagggccagt tttcgaaagt aggcaatata tatataaaaa 240
tgctcagaat gaaaccccga gcgtggttca gaggttggtt ttgttaaatt ctaagttca 300
cacaaaaacga tgattttag actaattaat taagaattaa cctataacct tccagttatg 360
gatttctctt ccataattag cctaaccgc gatatcttgc cncactattc ctacttctac 420
caggaacata tatgcataata cactaataa tacttataaa tatataaat cattcanaat 480
acacc 485

<210> 2398
<211> 312
<212> DNA
<213> Glycine max

<400> 2398

agcttggcc cccgcgaatga caaatggtgc ggaagacgac gctagtctct gcatgctatc 60
atgcgtttagat tcttagat agcaaaaagaa tggatagg gataactact tggaaatttc 120
cgccctgcccc ctaactttat gggtagttc ttgacaaaagg tagtctgcgc ggaacacgac 180

ataaaatctac tcatgtcaac ggtcttggc gccgcgattt acaaaggatg caaaagacga 240
cgtagtctc tgcatatat catgcgttga gtcttatagg tagcaaagga atgtttatgc 300
ggataacaac tt 312

<210> 2399
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2399

tgttaggatta tgggttaccc atcacatgtg gtcctaggtg gcggtcgggc gatggtgca 60
aacaagtttt ccataatccac aaagcgcgca taaacccacc atcccctgtt gcccacctcc 120
atctgagctc acgtactccc acgtagccca tatcctcggt tctctaaca ccgggtcccc 180
atcaatcctc ccaagcttcc aaaacatcca aacaaaacga cattcaaacc gcacaagcta 240
tcacagccaa gcaaaacaga gcataggcag aaaactctgc caaaacacca accaaatcac 300
agctttctc acttaaagac cccagtaaca attccttcgt tccggttcat taaccattgg 360
atcgactcga aaattntact ggaaatctct aatacttaag cctacanttt gaccgttggg 420
atctactagc aaacatccag aactcattct gcactaccct ttccacagcc aaccacgaca 480
caagcattt 489

<210> 2400
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2400

gcttactcca ggtttcaactt gacgtttctt ttctatgcaa tgacgttctc taacgtgaac 60
actnntcttt ttattnattt taattnntta tgattnatc taatgtttagt gaatgtctta 120
attngttaat atttattttt aaatttctta ttattnntaa gtgaagaaat taatgtatata 180
tgtaaagtga taattatatt tgattnagaa ttaattnatc ataagccaaa tgagtgcac 240
ttgtgcatac tgcataccccc taattnctta gttntaataa ttaatttattt ntgtcgacaa 300
tcgattgtct tatgtaaaaaa aatcaattttt ataacataat cgttgattt caaattgatt 360

gtaaaaaaaaat tatttatcat ctccttntt cttntttca aacgtactat atttctcact 420
tgttgttatt cattggattc tattttttt tcttaatttc atctaacttg ttct 474

<210> 2401
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2401

cgcacatcttt actaaggcag ttntataaaaa tcgtccttgt ttttagtgtca tataatctca 60
cttttggagt agtgccaatt gcaatctatg tttctattga agatccttgg cccttgaaa 120
tattttcttg gcttagaaat agctaaatcc aatagaggtt tctcactctc ccaaagaaaa 180
tacactatat ctctttaga agatacaagt ttcttggcat gcaaacccttc caatcttcca 240
atggatccaa acttgaagct caatcttcat gatggagact tactccttga tcccttagtg 300
tataaaaacgt taattggtag attaatttat ctaaccatat cacgtcccga tataacattt 360
ggtgtaaatc acttgagtca atatatgaaa gaacatagag tntgtcacct aaatgttgtc 420
catcatcttc tgcatgtatct cacatctact ccaggacaag gtttattttc cctgctcata 480
actctctcaa attcactgc 499

<210> 2402
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2402

agctatgagt ccaataataa aaaaatattt gtttttaatt cttataaagt aaaaaaaaatc 60
aaatttatta gaacaatatt tcataatatta ataaaaagtc caacacataa tcctcttatt 120
taaaataaaa agtatttctc ttaaaatttta cattaaaatt tacttattca atcagacctt 180
attaaaaata aatataattat gtgtaaagata aaactctctc aacacccaca tcattttact 240
tgtacttgac acacctacct agagaggaat gaggttaaac tttaccatan aagaaaaaga 300
attatggga tatacttggg gtgccaatta tggtgtttct aagttaattc tttttaaaca 360
aaaggctaaa agtttttagtg gttttttat gttataatgt gaagatatta ct 412

<210> 2403
<211> 427
<212> DNA
<213> Glycine max

<400> 2403

tctatccatg gcgttctatg gtggtgagct tattcttgac tcatacttc ttatgaagtgg 60
cgtctgcaat cacctttcca ctttctccat tccgctgcca ttgatcttca agaagtaaag 120
gactccattt atgaagaaga tccaaaggcct aaaagctcaa catggagcta catcaactgt 180
agtacttggtt ctttcctcct ccctaaggcct aactctcaaa aggagtagtt ctatttggtt 240
cctatactct tcaacactca tactcccttt tctaaggcctt tggagcttgg ccataagctc 300
cctttcatag taggagggga tgcacctt cctaagggtt gctttcaagt cattccaata 360
ctctactaga ggatccccatg aatccttctt ttccataacaa gtgaagtcca cccatagagg 420
gcataacc 427

<210> 2404
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2404

agttccaga ttagtgttacc anatgaccgc ggctccagcc aagctatctt ggaaaaagtgg 60
cattaacaac ttttcatccc tagaatgcgc ccccatctcg cgacaataca tcttgagatg 120
gttttagga catgtcgtcc ctgttactt gtcaaatca ggtaccttga attttggggg 180
atgacgacat ccgataccaa gcaaagatct gccatgtctg cgaacggata gttgccaaag 240
ccttcaacag ctctcaatct ctcttcgatg a 271

<210> 2405
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2405

tcatggtgaa tcanaggtga ttcanaggtt ntntgatgat aacaatgatg ataacaaaag 60

atgatgacaa aggagatgac aaanagctca nagatcaatc aaagaacaac tcaagtgaat 120
caagaacaat tcaagagttc aagataagaa tcaagaagaa ttcaagactc aagaagaaag 180
tttagagtca agaatcaaga ttcaaggttc aagatctcaa gaatcaagat caagattcaa 240
gactcaagat tcaagaatca agagaaggct taatcaagat aagtatgaaa agttttctc 300
anaaatggag tagcacatga ttnttctcan aatatgttta ctaaagagtn ttactctct 360
gtaatcgat taccagattg ctgtaatcga ttaccagtag caaaattggt ttgaaaagtt 420
ntcanattga tttacacgtt ctattaatnn tcaaagtcaa tcgataca 468

<210> 2406

<211> 322

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2406

agttccgtt cccgagagca tctcttattt aagcattca gccttgctt tcgtgtagct 60
taagaaaaac gtcatttctt cttcttctt tcttccaagg ccatttctaa agttccaaga 120
actttctcca tcacccacag ccaccattag ccaccacaaa ccattggtgt tctccacacc 180
gagaggaacc cttcaaccga agcggaatct tccaacttgg ctggcggtt cggtagagaa 240
tgaaacccta atctgacctt tcgttntctt tcgagggAAC catggttcta cgcttggttc 300
ttggtagttt catcttatct tt 322

<210> 2407

<211> 454

<212> DNA

<213> Glycine max

<400> 2407

gggttcgagg tacttacccg ttgaagatcg aagaacgatg aagaacgaat gaagaacgtc 60
gaagaacggt tgaaacctt gcgagattcc tcacggaaaa cgttacggaa acgtttcgga 120
agcgcctcgg cttagattt cttcacggaa acaatttttc caagcaaatt cgaaagagag 180
agaagtgcct aaggggctgg accccttct tcttcacttc ctcccattt tatagcaaaa 240
tagggaggt gttgccGCC cagctcgccc aggcgagctc agctcgccc ggcgagcagg 300

gttgcttcct ccagaagcaa ccgccttctg gaggaatctt ctggagggcc caaatggcc 360
tgggtgctat ttgcacccccc catttacta agtacaccccc ccctctgctg gttttggag 420
atcttttttc gtaatgtacg gaaacttacg aatt 454

<210>	2408
<211>	453
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 2408

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agatatattt tctaaggaac actcacgcac tctagggacc tgtgttgaat taccaaagg 120
gtgttagaga gctggttgnt agtgggattt gattactata ctggactctt attgtatcct 180
tgaacagtgc aatgctagac ttgttgctaa tgtacttact tagaaagatg gcattgatta 240
tatagagacg gtatnactga tcttacgaaa tgattgttc aagaattatg ttgacattat 300
gttgtccatt tatgacttcg gagttacatc actctggatg gtgactactc tcctatctta 360
actgtgatat tagaggagaa ttgtcgatt gacctaccga tggtgttctc tagttgatgg 420
ataggacatc tcggtgcgat actaataaaaa tcg 453

<210>	2409
<211>	442
<212>	DNA
<213>	Glycine max

<400> 2409

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ggcactacca tggtttattaa tttagatttcc gattaccaac atttaatcga tgcactctat 60
aatttaaagt tttttagaat taattgtctc ccacaatatt tctatcttgc tccatttattt 120
ttcatctgag ttatgggttt aactagaaaa tcttgtagt tctattgctc ctaatctgaa 180
gtacattgtt aaattttagat tttcgtttat cgataaaatat taatttttgt tatgaatgtc 240
agttaaaaaaa aaatgaacca ctaatctctt ccttctgctt cctccctta cttttctca 300
acaactcacc tattcttata cctccaaatt ctttagaaatt aaacttaagc accatggaca 360
taagtgtctcg acgatggaat atataatcac acatctcatg ctatatttat atgtgatcaa 420
ttaagcttta cgaacatgat at 442
```

<210> 2410
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2410

agctagaaga agttttggct tttacttgcc caactcctt gagtgcatttgtattggtt 60
gttatcttga ttgatgcatt ttantacatt tgttatctgc tttgcatttc gcattcatcat 120
ggtagtatac aagaaaaagtt tctaaggtaa aaaaatttct tcagaggtaa aaactctcta 180
tttaatcga ttacagagtt gtcgtaatcg attacaacaa gctgttgaa gcttacagaa 240
gtaagtctca tatcggttta atcgattaca atagttttt aattgatttc actgggttta 300
gaccatgact gatcttttc aggagtcata actctaatca attaccaagt ggattaatcg 360
attactctc tctcgttcaa gtgttcaaag gagaactaga acactctaat cgattatatt 420
ggtcttgagt tatt 434

<210> 2411
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2411

tggcccttct cctttatgt ttcacaaagt gttgctagaa catgttaact atgaaaaggt 60
tattaaaaa cggtggagcc attaattagt tggttgcct atgttgtct taatatgcaa 120
gctgaaagtc ataattatga atctaaataa atctctttt ggtgatattc atgataaagt 180
taattcttgt tataaaccta ttgaagttat ccaatatgaa attagnatg ttgcattttt 240
tgatgctcg aaggacaatg aggctaaagc cctatttagat cttgatcaag ctctctttt 300
catgagactt tatggaagga aaatgcttg cgaaatggaa ttgccattgt aatacattct 360
attgtcacat gactcaagtg catcaaacat caaaacggtt tataact 408

<210> 2412
<211> 253
<212> DNA
<213> Glycine max

<400> 2412

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cttggaaaaac tttcttgaaa agtttccttg agaagattcc tagagaagct agagcttagc 120
tacacacacg ctcttaataaa ctaagcgta ccttcttcaa atgagaagg agagcttagc 180
tttttgtatc aagtgacgcc agaatagttt agaggagggg gctgaattaa ttactcgcta 240
acctttacta att 253

<210> 2413

<211> 380
<212> DNA
<213> Glycine max

<400> 2413

tgtgacattt gtcagcatca gatgtatagc gctatctcac ctgtaggatt gctgcaacct 60
cttgctattc cggaacaggt ctgggaggat gtatctattt attttatcac agggttgcct 120
tgttccagag gctatgaagc tattctggtt gtgcggaca ggctgaccaa atatagccat 180
tctgttccat tgaaacaccc ttatactgcc aaaggaattt ttgagatttt ctctggaaag 240
tactgatgct acatggagtt ccacaatctc tcgcgagtga tagagatcct ttatttatga 300
gtttgtcttg gaacgaacta tttaatttac acgcgacaaat gctcaagatg agtacaactt 360
accttccgca gactgatgga 380

<210> 2414

<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2414

agttctata gaagggttct tcctaatttc tcaacaattt cctcacctct caatgagctg 60
gtgaagaaga aggtggcatt tactggggt gaaagacaag agtaagcctt tgcttgctc 120
aaagaaaaagc ttactaaggc acctattctt gctcttcctt actnttctaa aactttttag 180
ctagaatgtg atgcctatgg agtggagtt agagctgtat tgttacaagg tggcactct 240
attgcttatt ttagtgaana acttcatggt gccaccctca actacccac ctatgataaa 300

aagctntatg ccttaataag agccctccaa acttgggaac attaccttgg tgtcaaggga 360
atttgcattc atagtgatca tgaatcactt aagtacatta gagggcaaag caagttAAC 420
aaa 423

<210> 2415
<211> 480
<212> DNA
<213> Glycine max

<400> 2415

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taaaaaaggga aaaggtata ttgttagccga tgctcttct cggcgcatg cattacttc 120
tatgcttgaa acataattga ttggtcttga atgtttggaa agcatgtatg aaaatgtatg 180
aactttggaa gaaatcttta aaaattgtatg aaattttca gaaaatggtt actttagaca 240
tgaaggctt ctttcaaag aaaacaaatt gtgtgtgcct aaatgttcta caagaaattt 300
gtcttgggtt gaagcacatg aatgagggtt aatggggcat tttgggtcc aaaagactct 360
agaaacatta caagaacatt cttataggcc tcataatgaaa aaggatgtgc ataaatttt 420
tgaacattgc attgtatgtatgaaaaggcaaa gtctaaggta aagcctcatg gactgatact 480

<210> 2416
<211> 257
<212> DNA
<213> Glycine max

<400> 2416

agagagaggt gaggtgagca tactaatgtatg tgaggaaaag agagagagaa gctgaactct 60
gaaatgtgtc tcacaagact ctcattcttc aaagatacaa caagcgcatc acatgcttgg 120
atatatagac taggttagctt tcgtgagaag cttctactat aagctccctt gagaggctac 180
agcttagcta cacacacccc tctacttagct aagcttacct ctttgagaag cttcctttag 240
aagcttacgt aagaaac 257

<210> 2417
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2417

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ggttgaaaaa gtgaaattta gaatgaggtt aanttgaagc aaactctcac ctcacacaaag 120
tccataacat caatctaaac ttgcccaaac tggatttaca cctaaaattc caccaaatca 180
aaatttgcact ctcaaacacc caatttgcc ctagaaatgg ctcttggttc actttggtca 240
tttggggggc tctctagctc agcctaacct ttctcacatg ttctaaatga aatttcaagc 300
tagtattaac tcactctaacc ctccattttac cacagaattc agacttagcc ttccaactct 360
caaagtctca ctcttttcc actcataaca tcacattctc actttctaacc ttgggttag 420
ttctaccctt catctctaacc agatgttcat cagcaatttc agcatataaa catcacanac 480
atcattacat aaaccctaaa ca 502

<210> 2418
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2418

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tgaaaagtta cgaccatttg aatttcttga gaacttctat tnttcaagtt caagtgcctt 120
tatatatcat gggcctcaat cgtatatcca tctcaaaagt tatggtcgtc tgaattggac 180
aagagctttc gtgttgaatt tcgagcgtct cgatataattt tggacctgaa tcggacatcc 240
gagtaaaact ttatgaccat ttgaatttcc ctataacttc cagtattaaa tatggagccg 300
tttgatatat catggactt aatcgatcat tcatgttaat agttatggcc gtctgaattt 360
gactaaagct tctgcgttca attttggcg tcctgatata ttat 404

<210> 2419
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2419

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gtgatgacaa aaagctcana gatcaatcaa agaacaactc aagtgaatca agaacaattc 120
aagagttcaa gataagaatc aagaagaatt caagactcaa gaagaaaagtt tagaatcaag 180
aatcaagatt caaggttcaa gatctcaaga atcaagatca agattcaaga ctcaagattc 240
aagaatcaag agaaggctta atcaagataa gtatgaaaag gttttctca caaattgaat 300
agcacatgg ttttctcaag acatgtttac caaagagttt ttactctctg gtaatcgatt 360
accatattgt tgtaatcgat taccagtagc acaatggagt tgaaaagttt taaattgaat 420
ta 422

<210> 2420
<211> 325
<212> DNA
<213> Glycine max

<400> 2420
gatctacttt agggctaggg ttagggttat tggccgatac gtcttgttcg tctcttcgat 60
acgatctaag ttattctatc atccacaaca ttccggcacc gtcatacaca tctaggagta 120
tgaatttaac tatttagtatt tatttatttc gtgataaacg atttgctcga tagacaacct 180
tcgtgaagag gcatcctact ggtgaattct ataagaaata tgaacgtgag actctttctc 240
tataacttta ttattactaa cttttaatt tggatatct tattctttg tagactatgc 300
ttactccgaa ccagcgacca ttgg 325

<210> 2421
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2421
tatacatact caagctcgca caggagtgtg aggtgatact gagtattttt ttcaacaatg 60
actggccttc aatttagtggg gattctgagg aagatgaata tggctccacg actggaaatg 120
aaagcaaagc gacgctgatg catgttccaa aagaacttgc taaaattgac aacatggaga 180
acacgttcac caaactaact ctatcagcac tgcgtagctt ggaagaaatt atggtagaa 240
gctcaactgt tagcattttc tcattgccta cttgcataa ctaggcttg caactgcaag 300

aggattggaa aataaaatga ctgcactagc gactgcaacc aaataggc tcaggataac 360
atagatcttc tcgtgttat ctccacatct atcttaatgt ttattagaan agaaaatagac 420
acagaattta gacatgagtn gccattata caagaggatc catctccctg ttatggta 480
gatttcatat gaaac 495

<210> 2422
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2422

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aatggatggc gtctcatcgc acctttctc ctttatcttc cgctgctact ccatggctga 120
aaagcaccat tgaaggacct tattgaagct caaagattca gcctccatag aagcttctca 180
agcaagcttc catcaacaca tttgcatgta ggaggaatag tgaattgtga agatgacatt 240
tcaggacctc gcattcttgc tctctctctc tcccacgtaa gtttctcctc tctctcttta 300
ttttatTTTA tcaaaatggt tgggatttagg tgaaaaatcc catttcgta gccccacatn 360
gtgtttctta atggagttg ataatggtcc ctactaaaa 399

<210> 2423
<211> 491
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2423

nggatttgatt cagtctaact agggatcgag gtttagtaat ttaggtaca acgttgtaca 60
cagaatcatg attgattaga gaaacatctc tatatacatc agctggtttgc tttagaaagac 120
ccaacacctt tacctactgc tgtcaatctt acttacttgc attttacta ttttagcca 180
agacttagtt taattctgtt ctaaatcatc aattatcaat gtttcttca acaatgcctt 240
atttctgaat ttaaccctgt ctaatactag ttccctgagt tcgatactcg aattcatccg 300
ttttaatTTT aaatacttga caatccggc cactttccgg caaaccggat ttcccttga 360
catatttgta taaagaaaaa atggacccaaa aagtaactac agggtaaatc caacaaagta 420

tttatggcgc tcgtgctggc gatctagatt cattagaaga gtttatgttc agtttacgac 480
attgctttat a 491

<210> 2424
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2424

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tcctgtntc agnttctgac actactagga aataaggttt ttacatcaat tatttaagac 120
tttcaacatc ggttattaaac cgatgttcaa agtcccgtat ttgaaagtaa tatcgtaac 180
atctgtttt caaaatcgat ggtaactaat aaatacaaca tttggtattt aaatagccaa 240
tgttacatga taagaatttt gaanaaaagaa atttataat ttacatatca acatcgctt 300
atttaaaaac cgatgttaac tagcactaaa agtcaatgtt aactgtcact aacaaca 357

<210> 2425
<211> 415
<212> DNA
<213> Glycine max

<400> 2425

atacactact caagcttctt atccaaggca actcttggtg gtgaagctcc ttcttccttg 60
tcttattccc tagtggatgg tgcctccct atactcttct ccttgcctt ccgctgcattc 120
tccatggta aaaatcacca ttgaaggacc tcattgaagc tcaaagatcc agcctccata 180
gaagctccac aagcaagctt ccatcacatt cctcacaaat ccctccttag tggatgttagt 240
ggtggaggag acctccttac ttcaccctac ttctcttccg ccatgactta gggagatatc 300
tttctttgt ctctttctt actttatgt gacttgtcca aatatattga ttgctttgat 360
tgttcatgat cttatgattt tgctacattt aggacaatgt gttgttaag tgtga 415

<210> 2426
<211> 267
<212> DNA
<213> Glycine max

<400> 2426

gtgactcgcg ggatgcgtgt tccacgaaag gaatacgcgc ggagtcgcca ccaacgttta 60
tttgacgaaa acgtcggata gaccggaaga gacgcgatct acgaactttt taagtgaaag 120
gttcggaggt tgtatTTacg cacgtagaag gtattAGCAC tccgcatGCC cgTcccAtGG 180
gactggtagc ctTcaatcg aatgtgaaa catgactttg atTTTATGT tccCTTTat 240
gttCTTATAT CCTTgataCC CTTTTA 267

<210> 2427
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2427

tgtAAATCGAT tacacaAGTC ttgtAAATCGA ttACCAAGtGt atATTTCAg aanATAATT 60
CCAAGAGtCA catCTATTCA aATGGTTtAT gaATGGCCAT caAAAGGTCTA tttATATGtG 120
actTGGAAC acGAATTATG agAGAGATTt cATTGCCAA AAAGTTtAT CCTCTCATAA 180
gattaAGAGA gTTTTCTGA attGAAATGT CTtATCCTtCt caAAAAGATA CCTTGGtCAA 240
acACTTGcat attCGATAAG gaATTTGAT tgATCTTcat tGTATAATCT ATCTCTTCA 300
aggGAGATAT CTTCTTCTtCt tCTTCTTATT TCTGGAAAAA aggGATTAAG agACCgACGG 360
tCTC 364

<210> 2428
<211> 317
<212> DNA
<213> Glycine max

<400> 2428

tggatgatac gactgattgt attAGGGTCT ctCTCTCCAC gaaAGAGACG tGTCTTGTt 60
tCCACTTTGC tagCTTCTC tcACATTTGG tgATAATAGG atCCCAcAAC tCACACCGCC 120
tatGGTTGT ccaATTGGAT ACCCAAAAAA tGAATGGTAG gACAACAAcT GCAAGTTATGT 180
atGTTGCAAC ttCTTCTTCA gagATCGGTT CCCAATGCC AAACAACtCT tcGAGAATT 240
atTTGAGGCT tgATACAAAGT caAGCTCCTC AAATGGCTT gGTGCTTAAC atTTCTTATT 300
gtGCTCACCG AAAATAT 317

<210> 2429
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2429

nggcatctgc aatggagct ntgttcttc cttgtttgt a gcatgctaga aacaactgaa 60
aaaggatgat aggctaata gttatttagaa acagtatat ggtgggttat aatactcaat 120
ccaacacata acaatggaaa caaaaattta tgtgttctct ctctagactc tgctatcaa 180
tgtcgntgtt atgaaactta ttttctgct tctttgtctc gatgccgact aaaacaaaat 240
aatcaaatcg tgagatttg ttctatggta taatttgc aa attgactttg tttcaaaatt 300
caatctgata ttatatttct ttatc 325

<210> 2430
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2430

agcttcttc cgccaagggtg tttagcaatg tgtgcagcg caagcatctt cttcttctcc 60
ttctctgcct cgctgtcact ccccatctct ctctgcgatc ttaattggag aagaagaaaag 120
aagcttcaga gctttaaacc ctctccctta gctagggtt aattnaggat tcacacgcta 180
tggcgccgat cgtgacttat caaatgttta ttactcgccc cactccatga ttngatcaca 240
cccagcctca tatcgccctt aaaacttggg cctatcta at ggaccagaaa ggcgtatgcg 300
attccaaaccc aatattttgc tatattcaca ttatatnttgc tgttatttct gtttctgaaa 360
atacccccac cttccgtta tacaatatac acaaagtggt tccgttgtat a 411

<210> 2431
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2431

tagccaacta gatggattac catnttcttc atatnntcct ntttgttagt ctatgccact 60

atgttctcta gagttggaga attatatcca atgatagtgt gttccttgg gtatattagt 120
tcaagtatag aaaaatatgt gctctgggtg gtcatttat tcataatgc aatcaaattt 180
gaagagttt tatttgccaa caatctctt ggtctttcag atgatggcga tgggggatat 240
gatgtatgtatn tggaaagaact gatggataat tcggtaagca tgaaataatc tgtacttagct 300
atggtgtgtg tatacatatt tgaggagggta ccaagagtaa cttaagggtg 360
ggcacttgat agatggaaa ttttactat cccaganatc ttaaagtggaa aaactatgtat 420
tctcatgttt ggtatgcaca taataaagaa gactgtcaag aaactatgtat ttccgtgaat 480
C 481

```
<210>      2432
<211>      311
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2432

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atcttcatct cgtctacttt cagtattctt tttttacgtt ttaaacgagt ctgcaccgat 120
cgTTTAAGCC gtatcctcac ttaactaatg ataacacgaa tctccatcga tcgTTTGTG 180
tgtaaagttg tgtaatcacc ttttaaatga atatcaacca atcatttgcg ttgtaatccc 240
gtttaattca tcntgagata ccttaatttc gtccggggat cattgcttgt tggtatgaga 300
ctatcgcttg a 311
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<210>      2433
<211>      442
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      2433

ntntattgtatcttgagattcaggacagcactctgatttctgaaatatttggataaaaa 60
atggtcatttgcaccagtccttttccatgacttaacccaaat tacccagtgtacca 120
tttgaaggta cactgaatgacgactgaaaaatttgatttctctgcccattgtatgac 180
tttggtttgca ccaacaatgcggatatgaccggacgtttcttgcgggttcatggcttt 240
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gaaagccgca tccttcacta tttaattgtg cgtatTTgc ttccacggc ttccaacctt 300
gcccgaggttt ctgaggaaga tctaatttac atgtgggcct ttcatacagg gtgtcaactt 360
gactggcac acttagtcag atatcgcatg cataaggcat tgcaataaa tgctccatta 420
ccatatccac agcttgcac tc 442

<210> 2434
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2434

gggttgaacc attgagatca aggcccttc gaagccggga tactgtatag tgacctgcat 60
gcatgtcagc ttggaaggta gtcatacctc acaanatata tatatatata tatatatata 120
tatatatata tatatatata catatatata tatatatatg cgtgccgagg tagccagata 180
ccttggatat gcatgtatat agcacaaata cctcacaaaa tatatatatg tatgtgtagg 240
tagcataata cctcgtgaga aataaacat caaaaaacat ggtgagagca taaaatatct 300
ctgtcgtgtg ataagccaac actgcttcgt agagagataa ctcttagctc ttcttgaaa 360
gatgaatcat ctgatcatag ccatgtctt ttgaaanact atatgtgtat acaccctgaa 420
ggtgtgaatg cgtgtggaca ttcttccga acacccacag atggacttgg atgaatgcat 480
gatttgatat aagaacatata tctataaaca ctgggtcgct taaataagga caaagaatcc 540
tgaccctcac gttcatcg 558

<210> 2435
<211> 417
<212> DNA
<213> Glycine max
<400> 2435

taacatcata tgaagccatg gataagagct tgtatgagga gatgatgagg ggaaggagaa 60
cgagagaatg agcacgaaat tttgtgcctc acatgaggtc tgaactttga agcgttattc 120
ccaaatgatc aaagttaaaa aaatgcacac gcatgacctc tatttatacg ctaagtgtca 180
cacaaaaattt gaggaaatt taaaattcta ttcaaaaattt acttgaattt gaaattgaat 240

ttgtggagca aaatttgga gccaaaattt cactaattat gattagggga atttagctat 300
ggttcagccc actaatacaa gatcaagtcc aagattctcc actaagtgtg tttaggtgtc 360
atgagacatg taaagcatga aggacatgctg caaagtgtga ctatatgata tgacaat 417

<210> 2436
<211> 416
<212> DNA
<213> Glycine max

<400> 2436

tagcttgaac tatatgagat ttgaatctaa ttttacttgg atcaacaata taatatatat 60
ttaatttata gttgaaaata cgaaaaaaca agaatttga tctattgata acatcatatt 120
tacctccatc gcaatgttat aatacgttct agaacatgct catattggtt tcgtaatagt 180
tgatattgat ttactcatag agctgaatat aagaacaatt gtcgggttta aagtacgtga 240
tattctttat aaaataaaac ggtggttata gttaatggaa ataataaaat taagaaatgt 300
actttattaa gctcgcaat caatagctgt attaaaaca atatgtctat tacttggc 360
ataacttgcc acgtctgtct tctaactgtt ctgaatatc taatgacgga tatagt 416

<210> 2437
<211> 612
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2437

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ccaggatttgc aacctgttagt agccttgtat cgatactaag ctgtggacaa tagactctgc 120
cgctgtata actatgacag gcatcttgta ttcctataca agagagtata aactctgtat 180
aagaatatga cagtgttatg cttgaatgtt ttagcaacat gctttcagt actcccgtag 240
agaagtctga tcgatctcct tctattggag gatcactcaa gacatctaca tggacatc 300
gtgaaagcat agtttctttt tattatcgca ccgggtgttgc cacgaatgtt gaaatcaatc 360
acttgcgagt aatgttatct ctttctgtgc cagtgcacaa actaggatc atcttgcttc 420
cacatcttgc atgtggcgcc tacatagata taatatcacc aggtttcagc ctgggtttagt 480
aagaatagcc ttgattttatg gtaagatatt tatgtatgtt gtgatcgat aaccgctcct 540

tcaaacatcg accatatacc gctgacagat taggttaatta ctgtgccac agttctgttc 600
atcaactcctt cn 612

<210> 2438
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2438

agttctgtc ttgttaaccta tagaattgct tttgaaaatc tttntttttt ttatggcaga 60
cattatttaa ctatactttg cttcatcac atgatgctgc ttctttgtc aattaaatga 120
aaagggtgg tagcattga tccttatgtat tccagatcta gttgaaagtt gtgccagaat 180
ttttctaaaa atatttaac tgataaacatt caaatgaagt agttcattt gacaattaaa 240
tgaaacaggt gggcagcact tgatccttat gatttcagat ttaattgtac gtgttgcttg 300
aagttttat aaaaagtata ttttgtcttt ttaactgata tgtcattcac atggtggtac 360
ttcactttgt cagtaaatga aaggggtgg tagcattga tttgattttt ccagatctag 420
ttgatagtggtt accctaaag tttcta 446

<210> 2439
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2439

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atggtccttc tcttccttc gcagcttgag ttcatgttg ctaccccaca gagctccacg 120
aaatttatttgc cgccataact cttccttgcg agcccttttg gtctttgtt caagggctct 180
tgcagtagtt gcattctttt cccgttaaccc ggcacactcc ttccgaatgt gtgttagcgcc 240
caacttgaac ttctccttgg caagtttgc cttccttaac tcgcttttga gagcttggac 300
ttcttcgtcc tcttcgggtg cttcaaaact ttcttcgtcg acgacttttta acttggtag 360
ccaatctaaa cctcgtacat gaactttaa ccattcatgg tacccaccaa tggatgcatt 420
acgaatgccc ctaagttctt gatctttct taacgggggt tcccatgcct tatggattct 480

ttgg

484

<210> 2440
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2440

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cctctccatt agcaaagctc gccccatgc caaaatacat gaaaatacaa tggtaagctt 120
ccttgagaag caaggaaggt agctttcttt ggaagcaagg aagaaagctt ccttgagaag 180
ctagaggggg gctactcaca cccctccaat agctaagctc acccccattgc caaaatacat 240
gaanatacaa aaaaagtctt tactacaag actactcata atgccctgaa atacaaggct 300
agaaccctat actactaggg tacccttaac ttgtaccctt aatctgtaga gtaccctaca 360
tacctaaa 368

<210> 2441
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2441

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gagtaaaaac tctgatgaan aataaaattg tgctatgtt gtttttttg aaaaatctt 120
tcaataacttc ccttgtgaag tcttcttgat ttcttcttctt gaaagatctt gaattcatct 180
tctcttgaat ctgaaatca aatttcttctt gattcttgaa ttgttcttga ctcaatctt 240
aaatcattct ctgggattt ttgtcatcac ctgttatac atcaaaacaa ctgaaatcaa 300
tcttgattca acatcatgaa gcttgcttct acagaaatta gttatgagtt ggttttatct 360
tggnttatgt gtattaacct ttaatctttt ttaaagataaa ctcgcggcac taatgatcgg 420
ttaaaaccta cttt 434

<210> 2442
<211> 421

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2442

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ttaaacatct ttctttcatc aatgtgcaca ctataatgtt ctctgaaatg ttcatgtggc 120
tccacatgat ttaggtttgg atgaaaccta agcttatcag ccacccttt ttccatccat 180
ttcattttag cttgtttatt tttgaagacc ctccatata tgtgctcctc caaaaaagtg 240
ttgatttgaa agcttcttgt aacttcgaac catgaacaat aaatntccca tgaacatcca 300
acttggttac aacgcgctct agcttgaatg ttgtcaactt ttacccattt cagatctctg 360
ccatggaaaa tagttaagtc tctaacaact tcaataaaca ttttgatgct atcaaactcc 420
a 421

<210> 2443
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2443

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ctcanaagtc aagaacactt catgttaaca aagatgtatca cttcaagaat caaagaatga 120
gttcaagatt gaatcaagaa cacttcaagg atcaaaagga aatttgcattt caagaatcaa 180
aatcaagtt tcaagattca agttccaaga atcaagatca agattcaaga ctcaagattc 240
aagaatcaag agaagattca atcacgataa gtattaaaaa gattttcaa aaactgagta 300
gcacatgaat ttttctcaca aacctttac cacagatgtt ttactctctg gtaatcgatt 360
accagattgg ttgtatcgat taccagtagc acaatgcttt tcaaaaaagct ttcaactgaa 420
ttacaatgtt caattgattt aaaatctgta tcgatatatg atttgcata 470

<210> 2444
<211> 468
<212> DNA
<213> Glycine max

<400> 2444

agctcttaga tgcgttgcc caccatattt actatactcc gatcaactaa tgcaatctat 60
tgattgaaaa gataatccat actactttc taatgttagtc tacaattaaa aaattaatct 120
cacagaaaaat agtgcttaag ccattcaa at caagtcaaca tgacggtggc aacacaacag 180
caaagtggga tcgacagaga gagggagaag gaagcttcct agaaca aaaa atggaaatgt 240
agaaaatgagg tgagggttgc ctacatgcag ttggaaatgga aacacataaa tcagctgagg 300
ttgtaatgaa aacgca aaaa tgatatttg ttgggtttgc ttgttgcgt gcagaagctt 360
ccttgtccaa tgacatgacc tcatacgat tgagggtcag aagtacctcg gacagaggaa 420
gaaaaccgta tatgtgattt ttgaaatgta aaatttacaa aagccccg 468

<210> 2445
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2445

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tatactcttt tctctcaatt ctcactttt aaccataat tctaacatgc tataaaagta 120
ctaccaccca cctgaaat tttgcaactc cttaat ttttctttt ctaatcggt 180
ttctttccat tttat ttcg agaaaatcca agccctcacc gttcaagttt ttctttcac 240
tctttctttt agttctttt cagttcaag ttcttgagtt aacctatttc aatttcaatt 300
tttaaatatt tcaaactata ttcttgagac aacctanatc aacaattaat tcctataatt 360
gttttatata anaataatta atttataaac accaatagag ataataagta attaagttt 420
aattaataat attatacatt tttaaaaaaa aataaagttt ttatagtatt taagtagtaa 480
ttat 484

<210> 2446
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2446

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ttagagttta tcttttat ctttgtgaga gtgattctcc taaattcttg agtgattcaa 120
gaacaccctg gctgtatcaa aggactttca caaccttgcgt gtgtgcgcct cgctggaaag 180
agtgattctt tccttccttt catcttcacc ctgtttcttt caaaccacaa ttccagaaaa 240
tccacacctg cccagaatta tctcgtggcc ataactccca ttttatgcac tcaaantaag 300
tgattcttga gcctaaatttgcacttccanaa cgagaccttt cacctcggtt tgaaatcacc 360
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taaccta 427

<210>	2447
<211>	443
<212>	DNA
<213>	Glycine max

<400> 2447

agatggcctc aggatattcc ttatatccag actggaatac gatcaataga ctccttatct 60
ttaatggaga gggttgccgc tactggaaca cccgaatgca gggttttatac gcggcaatag 120
atctaaatat ctgggaagcc attgaaatag ggccttatat acccaccacaca gtacaaagag 180
acacaatatg aaggagctga tcaagtgaaa gcatagccat agataaacct agagatagat 240
gggctgaaga ggatagaaga cgagtacaat acagcctaaa agccaaaaac ataatagcat 300
ctgccctacg aatggatgaa tatagcacag ctcccacattt caagagtgt agcgaaatgt 360
gggacactgt tcgagtaaca cactgaagga actacagatg ttcatagatc taggataaat 420
gcactaactc atgagttatga att 443

<210>	2448
<211>	318
<212>	DNA
<213>	Glycine max

<400> 2448

gttttgccc aaatggagac actggatgtc tgccctgtctc aagtca gcta gcatttctat 60
tcttatcaat ggcatgccta caaaggatat tgctcctact agagggttga ggcaagggggaa 120
tccttagcc cccttactct ttaatatagt tggagaaggc atcacaggat tgatgaggga 180
agcagttcag aagaacttat atataagcta tatggctgga aagaaaaagg aaccattaa 240

tatTTTgcag tatgcggatg acacagttt tgtgggtgag gctgagtggg agaatgttat 300

tgttttgagg ctatgctc 318

<210> 2449

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2449

tctccctat tatgctataa atatggggag aagtgaagaa gaaaagggtt cagccccta 60

gacacttctc tctctttcga atttgctgag gaaaattagt tctgtgaaga anattcgagc 120

cgaggcgctt ccgtaacgtt tccgtgagta gttacgtgaa gattctcgac cgttcttcna 180

agattcatcg ttcgttcttc gttttcttca gtcttcaacg ggtaagtacc tcaaaccaag 240

cttttcaatt cactctatgt acccgtggtg gtccacattn tggttcatgt atttttattc 300

tcggtttcat ttactttta taccccttt tgacgtgctt aagccattta tttaagtcat 360

ttctcgctta atct 374

<210> 2450

<211> 419

<212> DNA

<213> Glycine max

<400> 2450

ctaagtagca ctcaaaccag gtgtatgtac cttcaaggcc tacactccga agagtccgta 60

aagatctctc cctcctgatt tatgaccaac ccctacaata atatttgcatt gcagacaccg 120

ctcatgaatt atacaatact cacgacctcc cacctgttgtt acacacacgt tcaacataat 180

tgcactataa tttaacactg gttcctaaat taaaaaccta cattttcctt ttaacattgc 240

gcataataaa ttttctcaag ataaacactg gtcaggctat tgtacaattc acaactcagc 300

acacaagtaa tggttacatca agtattaacc acacacttat tcataactaa aactcatgtt 360

cacaatttca catctcttaa tatcacaatc caccatcaca tgtttacatg tatatcaca 419

<210> 2451

<211> 492

<212> DNA

<213> Glycine max

<400> 2451

<210> 2452

<211> 384

<212> DNA

<213> Glycine max

<400> 2452

gcaagcttcg aagatagtga tgaggtacaa gccctatagg cagagcttga aagagtccga 60
gtagtcgaag agaagttcaa gtccatagcc atcaaaaagtc tgaaaagagt atgatgaact 120
aaggcacgatc aatatggcca ccgctgaagc ctggAACGA gaaACCAAGA aggcccgata 180
ggaagaacac gaccaaAGCA aagtttgag ggggCTTATA gggcAGCAAT agtgAGCTCA 240
cgctccaaag aggtgaaagg aatcatcACG ggtcatAGGC atgatctgga aggacgagct 300
ataggTTGc cttatgtcga aaagaaaatt gtccccACAG ttaaaccgag actgaatgga 360
atatgtgggc catcatcgat aagt 384

<210> 2453

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2453

tatqcqcata tttccttaca aacgttctct tgcacaagaa cattctatta accgaaaaaaaa 60

tgccaccata tacaatcaag gcagcttcgt tacctagatt atttacacgt acttccaagg 120
tgtatggtt acttacatca cacacccct tggctaaatt cacatacatg cataactcaaa 180
gcattttggg gtacccaaaa ttgcacatgt gcacatctt gatattctaa tacctataca 240
tacacaaact tcacatgatgaa tcttgactat ctacacaata aggtgctaca ttntatgctc 300
tttcaagtt tttgctacct aaagccgcat ccaaattcaa gtatatttc ctttgctgaa 360
ctaaaatgtta ttcaaattaa aaggtataca ttntttggta atgtatctt tttacataac 420
atgcaacata tttatgtata ttntttgtg agacattntg actacccaaa attatatgtta 480
cataca 486

<210> 2454
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2454

agcattgcaa taatttcaat agttctatcg aacatatcaa tagacacgac gttttttcaa 60
atattttgtg taggttaactg ttacacgtca attcttgc cc当地gatta tggatttagag 120
attttaattt aggattccta taaataatat tataaagtta gaaacattaa aacaatttgat 180
ttcagaaatt aatgtgaaag agattatgcc aaaattttgt tctggAACCT ggataagatt 240
gctatatttt aaagtaaatt atattgtaaa ataatatcat ataaaggtaa ttttttattt 300
ggtaacatga aaactntata tgcaagtcaa aatccaaatt taaacatctt gtttctcaaa 360
taataataaa ctatattcca attttattaa gggataccc ttctggata tatatatata 420
tatatatata tat 433

<210> 2455
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2455

ggctctanat ntacattgat gtttgtatTTT attggaggag gttgtatgcc atttttgttt 60
taagggttagc atttcttggt aaaaactaac tttccaaatg tttgccttcg caggaatggc 120

cccgaggaag cttgcctcaa agagggtccag gaaggacaag gcggccgaag gaactagttc 180
cgctccggag tacgacagtc accgctttat gagcgctgta caccagcagc gcttcgaggc 240
catcaaggga tggtcgttcc tccgggagcg acgcgtccag ctcagggacg acgagtatac 300
tgatttccag gaggaaatag ggcgcggcg gtggcatca ctggttactc ccatggccaa 360
gttcgatcca gaaatagtcc ttgagttta tgccaatgct tgcgcaacag aggagggcgt 420
gcgtgacatg ag 432

<210> 2456
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2456

tactcaagcc ccgactgggg acattggta gggacgaaag atggngatgg atgtggagcc 60
atgttagana aatgctcaca catggcatca actatgctgg ccagctcggatgtttctcg 120
gcgagggtgg agatggcttc ttcgagtcta tccgtggtgg tacaacgggt tccgtgttct 180
gccatggtag caagtcggac cagctgttaa gagctgatga gagagagaga gagagagatt 240
actacactaa gctaatacta ggaaatgatt tcttgctt attcatgagt gagctgtcct 300
tctatacaca ggtcttacat tgctatggct tacaatggca ccaactacct tgcaataaca 360
gaataaccac cctattgtaa ctaactaacg gtatccctaa ctaactggta tccatg 416

<210> 2457
<211> 225
<212> DNA
<213> Glycine max
<400> 2457

agctttcac tcggatgtcc gattccggag cataatatat cgagacgctc gaaattgagc 60
aacggaagct cttgagaaat tcaaattggc ataactttcc acatggatgt ctgattaaga 120
cgcataatat atcaagatgt tcgaaattga acaacgaaag ctctcgagaa attcaaata 180
tcataacttt tcactcgag ggtccgatca tgccgcataat atatc 225

<210> 2458

<211> 362
<212> DNA
<213> Glycine max

<400> 2458

ctgccttgc cctgatatac cttgaggact catggtaact atgaatgaca aagtccttgg 60
gataaaggta gtgttgcacat cgtttcaaag cccgtactaa cgcatacaac ttcttatcat 120
aaggtaata gttAACGGTA tgaccactta acatttcaact aaaataagca atcgatggc 180
cttcttgcac caacacaggc ccaatttcca catttgaagc atcacactca atctccaaag 240
attcttgaaa gtttggcaac gcaagtatgg cgccatttagt tagctttgc ttaagaacat 300
tgaaagcttc ttcttggttc tctccccatt tgaaaccaac aatttttttg aacacttcat 360
tg 362

<210> 2459
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2459

agttcacac catgtgcatt tctgttctt agacagtctc agcatagttg cggtttagac 60
acaatgcaac tttgtatcac aaacaaacct tccttgcag ttatatttaa ctgcgcagat 120
tctgctgctg tccatatatn tattaatttg tacttgattn ttaagcttaa actgaaacga 180
ggcccttagag aacaaaagac atcttctctg tacaatggca gagaataaat ataatttat 240
ataatttgtt gggaaatttc ggtacccccc tatgcggtag acacgcgaca ctattcagcg 300
atctctcgca aacaacgaaa ttccaaaga cctatactga cattccaata tccaaatcaa 360
taaatatgtg agatgagt 378

<210> 2460
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2460

ngctataata ttatgtaaaa aatagtttat gaaatttatac acatattatttttataaaaat 60

aatcatacaa acattcatgt cataagataa aatacttaca aataaatctc aaacatata 120
aattttgtct ttataattaa taatttatgc tattgattta tgaaagttt tgtatatgt 180
acctaactta atcttaaattt catcaattac aactatattt gataagacat ttcagttat 240
tttaattttt tttcaactgc taaaaaattt gtttgactat ttagaaaaca agttttttt 300
aatagtttct aacattttt caaactattt gaagtaacat ntntaaaac ctttagattt 360
aaattctaac ttntatattt ttttttcatt gtatactta atatattt ccaattntct 420
agttaccatt tttaagaga tcataattgt attatngtc aatcattta tcttttcaa 480
ctac 484

<210> 2461
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2461

gcatgcaagc tcgctgcatt ggaagggtcc aacaatctat tgttaaagat gactagacga 60
gtaaaaattct gcataagaat aatgcgatgg gtggtagtgg ttcttcctat tcttctagtt 120
cagacaaaga caacctggag gagtgcaga tgctgttaga gtcaaattgt tgatgttga 180
tggagtcggt ccaagggcct ctattnact ttcaggtgtg gcgaaagggt ttgttctctt 240
tagagaagca aatttcaggt gacaggtt gtagatgtga tactatgaaa aaaaaactgg 300
ctatggattt aagacaagct aggaagaaat atgttttggcaattacagt ataaatatct 360
cactaacaat tattatcttt cttcttttc taatacatta tattatacat ttatactctc 420
tatattttc tcaattcttt gctctctaag ggcactatac ta 462

<210> 2462
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2462

cactataact acaaagntct tgattatcct cagcgtcacc aaattttac cacatcacag 60
caggataaaa aaaaaaaagcc tttccaggaa acctatcaga cggtgacaca tggcagtcaa 120

catctgaggc taatggtcaa tatccaattg ggacgtcccg gaccaacatt gcagggatt 180
aaaaaatggg ggactaaatt tgtgaattaa attatagggg ggccaaacgc gaaactggag 240
caaaagtggg ggaccaaatg tgcaattttg tctcgtaat acaatctaa cagcacagaa 300
cttggtgctt ataccaat 318

<210> 2463
<211> 486
<212> DNA
<213> Glycine max

<400> 2463

actcgccgca tgcaagctcg agagagccccg ggttagtcgaa gagaagttca agtccatagc 60
catcaaagtt tgaaaagagt atgatgaact aaggatgtc aatatggcca ccgatgaagc 120
cttggaatga gaaaccaaga aggccccaaa ggaagaacac gaccaaagcc aagtttgag 180
ggcctttata gggcagcaat agttagctca agtccgaaag aggtgaaagg aatcatcacg 240
ggtcataaggc atgatcttga aggacgagct aaaggcttgc cttatgtcga aaagaaattt 300
gtccccaaacag ttaagcgaga ctgaaggaa tatgtgggcc atcatcgatg agtgc当地 360
gaagctaaat ctagcggcga ctcacgagca caggctagag gatgagtacg ccaagatatc 420
agcagatagc gaagcaaggg agaggtaat tgatttcatg gcaccagagg caacaatgtg 480
gacgga 486

<210> 2464
<211> 453
<212> DNA
<213> Glycine max

<400> 2464

atacacactc aagccctaac ctcattgtct ctcacagtct gtagatttg gagccatcc 60
aatccttgtc tccggactct cagccactta tgatagccgc cgatgatccc attactgctt 120
cctctaagct ctctgtcctt tcttcacgccc gtatcccattt cttgcgaac tacttgaga 180
accctcgcgt tgtggacact gaaacccgt gcatgaaag gcgtgatgct tccgtctgat 240
ggcactcctc tcatgggaca tccttcgcat gaagatagaa tcctgattct tccttccttc 300
tagcgagggaa accaattaac agacgccccct ccatgcttagc caagagttgg tcccaattcg 360

ccttcctta ttcgacgcac gagcggtgac ctgcagcgg atagacggc ctaccttctt 420
ggagataagg gtgtgagacc agccacacat ata 453

<210> 2465
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2465

agcttgtana aggtggtagc gaaggtaaat gatatgaaaa taaaagtacg caaaacatata 60
ggggaccacc aagggtacat agaatgaatt gaaaagtttgc atttcggaa cttaccggtt 120
gaagaccgaa gaacaacgaa gaacgaacga agcatggcgg aaaatcttca cgatatcacc 180
cacggaaacg tctcgaacga gttacgaaag cgccctcggt tggattttct tcacggaaac 240
gaattttctc actaatttca agtgatcctc agataccaag agggttgaat gctttgttc 300
ttccctcctc cccctattta tatggaaaag aggaaaagc ttgccaccca gctcgcccag 360
gcgagctggt gcctactgga ggagcttcct taaaggccca agtgggcctg gttgctattt 420
gcacccctgt tactaaatac acccctggct tttttgtga ttcttttgc taacgta 477

<210> 2466
<211> 466
<212> DNA
<213> Glycine max

<400> 2466

ggcttcctt agatttctga gacgtctcag gacttcattt atttgcaac aaaggacgcc 60
aagtatctca cagcggctaa ccaaaggttt catgtcatca agtaataatc cccgaacgaa 120
atcagggat gacactttgt atttcctatg ttttatgtt atggtagttt tatttcttaa 180
tcttatggcg atggatttag agatgcacct taatctcatt gtttatgcta ttttagttt 240
accatctaca attacttgat gttaccata atgtcggtta acttatttgc ttaagaagcc 300
tttatgttttgc ttgcagggtga ttacgaaagc aatcttgtaa tgtaatgatt tcaaaaccat 360
tcagcatttgc ataaacaaat ggtctgataa tatgatttaa ttggacattt atacaaatgg 420
tttactagct tgacaagaat gacacttctt attacttaca cataat 466

<210> 2467
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2467

gtatggctcg aaacatgcac cgaggcagag gtacaagaag tttaatgagt ttatgagcaa 60
ctcaggattc aaaagatgtg acatggacca ttgctgctat gttaaaaat atactaatag 120
ttatgttac cttgctgtgt atgttgatga catgttgatt gcaggatcta gtatggcaga 180
aattaacagg ttgaaggcagc agttggcaga taactttgaa atgaaggatc ttggccagc 240
taaacaaatc cttggtatga gaattcttag aaacagatca gaaggaatn tgaagctgtc 300
tcaggagaaa tatatacaca agttgcttga caggtttac cttggagatt ctaagaccag 360
gaataccct ttgggatctc atttgaaagt ttcaaagaag caatctttg agacagatga 420
agaanaatgg tacatgtcaa gagtaccata tgcatcagca agtggagtt t 471

<210> 2468
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2468

tcaagctctg cgatntggc ctgcggc gaaatgatcg aagtgggtct aaaaagaggc 60
aaatctgatc atcttgttt gataaatgca aaaaaaaaaa aaaaaaactg gggcaagtga 120
aaaggatgag aaggagggag aaacctatgt tgtgactgcc attcttatac gaccaagttt 180
cccaccaacc caacaatgtc attactcagc caataacaac cttctcatt acccaccacc 240
cagtcatcca caaaggccat ccctaaaatc aaccacaaag cttacccatc gcacttccaa 300
tgacaaacac cacctttagc ataaaccaaa acaccaacca agaaatggaa tttgcagtga 360
anaagcctgt agaattcacc ccaattccat tgcctatgc taacttgctc ccatatctac 420
ttgataattc aatggtagcc ataacccc 448

<210> 2469
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2469

cggatggaca tgagttcgcg cgtgttagac cgngcgtctt aagacaccgc ggctgcaagc 60
tttcattatt atatgtaccc ggatggtccg cgtttgatgg ggtatnttat tctggatggg 120
agactatgtat acacaatctt gcgagcttaa gccacggtac tctgagggtg tgtcgcttgc 180
gttaaaaatg aaagagatta ccgccaatcg atggaattga tgagtcgtaa tttcagttaga 240
aaaagtgcga gcgttcggcg tgccgaacca tgtggcggag acaaggaggt aaagtatata 300
ataaaaataa ggctttggct agaaaaggga agacaatcg agcgttggtc tttggattct 360
cattttaatc gaatgaataa ttctaaggtg caccaagcct aaataactta ccaggcagct 420
ccccataaaag aggattcgag ggggtattgc attctcatca gaagagggga ttttaacgcc 480

<210> 2470
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2470

tgaatcttga ttgtttgaac gaagagagag aatntggcta ttattaaaaa aagactttct 60
ctttccttn tctaaaagca attgccacat gtctcatttt gagtggagca aaaggggccc 120
acctcttccc cttgatgtga catcatacac agccacaatg agagaaaaat ttgaccttt 180
gaatgctaaa atcctgcctc ggtttgcatt tcgcctctat ggttccagtt cctcatgttt 240
ctctacaccc gtcgaggctc cgcttcgaaa gtataacaata tatatatata tatatatata 300
tatatatata tatacaaaa cgctcagaat gagaccctga gcgtggctca caggttggtt 360
ttgctaaaaat ttaatttgca tgcaaaacga taatcttag actaattaat tgaggattaa 420
tctataactg gccagttatg gattacttt cgctatttagt ctacncgcga tctgtcccaa 480
tgtcan 486

<210> 2471
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2471

agcttgcacc ttttcactct cctcaggcat tttagctct tccncgtca gactctata 60
ctttgggagc caagttattc cttacgttct cgacttcaac catttgtat agccgcstat 120
gacaccatgg ctactcccc taagctctt atctttctt tcctcttat tcaatgcctt 180
acggatcctc tgaagtgtct gtgcatttagc ttcatggaaa cctcacgcga tgaaagatgc 240
aatggtctcc tctgatggcg cacctctcat aggtaacct agttgtctta tggcaacag 300
gattataatt aataacaaccc atcatcccc tcaaagagac cattggaaat tcttcacatg 360
agcataaacac tcatgcccct cttctttca ccgtgggacc aactattgac gccctatcat 420
g 421

<210> 2472

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2472

ngctaaccgg tggaaagctcc taatatctcc cacacctttt ggtgtggcc attcttggat 60
ggccttgatt ttcttagggt ccacttggac tccatttcta ccaactacaa accctaagag 120
aactatatta tctacacaaa aggtacctga aagaacctgc ctgagatgtc ctaagtgtac 180
atctagactc ctactataca ccacaatatc atcaaataa ataactacaa atctaccaat 240
gaaatccctt aagacatgtat gcataaggct catanaggtg cttggtgcat tactgtgcc 300
aanaggcatc actagtcatt catacaaacc aaacttggtc ttgaaagcgg gtttccactc 360
atc 363

<210> 2473

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2473

agtttcatga tggatggacca agcaattntg atgatgccaa aagcccaagt gatttattca 60
agattgattc aagacttcaa gatcaaggcat caagaatcca atccaagaat caagattcaa 120

gagaagaaaat caagaagcaa caagtcaaga ctgcatacat gataagtatt aaaagaattn 180
ttcaaaaacc aaataacaca gtttgtnt ataaaagaat tttctcaaatt tttctaagtt 240
accagagtga ttactctctg gtaatcgatt accagttggc agtaatcgat taccagtggc 300
cagattggtt ttcaaaatgt tttcaaatga tttgtaacgt tccacaatga ttttcanata 360
gtgtaatcaa ttacactata ttagtaatcg attacaagtg aatctga 407

<210> 2474
<211> 551
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2474

tgacattgga accctgttag taccgtcgca tatacngaca cttcgaatac tcaagcttgt 60
agactaagtg ctcaccaaca ctagataaga atccctcagg ttgtttcatg taaaccttt 120
cttctagatc accattcagg aacaccattt tcacatccat ttgatgcaac tcaagatcaa 180
aatgagctac taatgccaaa attactcgaa gagagtctct cttagataca ggggaaaggt 240
ctctctgtaa ttgattcctt ctcttttagt gaatcctta gcaacaagtt ttgccttatg 300
tctctcaatg ttgccttcta agtcttctt tgtttgaag acccatctac atccgatggc 360
ttttacacca acaggcaact caacgagatc ccaaacttgg ttagatgcca tagaatccat 420
ctcatccctc atagcattat accacaaatt tgattcctta gaactcatgg ctgtgaaaa 480
catctcagga tcatnttcgg ctccaatggt gtagttggat tcttgtangt acactacata 540
atcactacga n 551

<210> 2475
<211> 330
<212> DNA
<213> Glycine max

<400> 2475

gacatgctat tactatatat tgcacttctt atctaaccctt ggaaaggctt cacaaagaga 60
aagccactat tacaaatatg tttatttctg atgaatggat cctaaaccag ttatctaagg 120
agcctaaggaa gaaagaagtt gctaaggtag tgctcatgcc ttcttttgg aatagtgtgg 180
ctcaccctct tatagacatg gctccacttg tcaaagtgat tcttcttgc gatggtaaaa 240

ggaaaccagc catggctat atttatgaag caatggacaa ggaataagaa acaattatca 300
agtgttcaa cgacaatgaa agccagtaca 330

<210> 2476
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2476

ntagaggttt ctaaatgtca cattatcatt tgtatttca tggctatg tcagggtgg 60
gtgttaagtt tctcaactttt atttcattga tttgcggc tttaaatgtat gctttggttt 120
tattgccta cacattaaat ttcataattt tttctcttc ctcttgcaa ttttcttta 180
actaaagctc tatctcattt aattttatta tctttgccc tcattntctt tatttgaacc 240
tcatttcattc gtctttgct tcatttttc gatattttt atctgaacct ccatctcatt 300
tatctaacaa aaaataactt attttggttc tttatgcctc ctctctcagt aagtttttt 360
aatctaaatc tgcatccatat taattatctt acctatattt gttttgtgt gcaaataac 420
atctaaatc agaaaaaaatg attcctaagt agtgaatgaa tttgagcaat caatcttac 480
tct 483

<210> 2477
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2477

agtttcttaa aatataagat atgagatact ttgttataa agataaagag atattaaatt 60
attttaata taatatttca tttttcttt gaaaaactaa tcaaattccat atctctttaa 120
cattatacat aaaaacatct acttgaggca aggtacacaa acataaacta aaaaaatagt 180
tcaagtctaa ttntagattt agaaaagaaa aagatgattt gctcttctg gttttactca 240
tcaaagagtt gataggtgtt ctcagtgtaa atacacaaag tttcacacg gatacatttt 300
cgccattca cttaaatgt tgggtgcact cgtaataatg ttgagtgac ctaacatcac 360
cctttcttt atc 373

<210> 2478
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2478

ttcaaaaacat gtttgcttct ggtgatcgat tatagcctct gataattgat taccagagag 60
aaatatataat ttcccaaaga tgtacaacca cttaaaaaac tttataagag atttggaaat 120
ttaagtcttt taaggccaaa ccattgcaat ttttaagag attctttaa caaataatgg 180
actattgtga atcgcttcta ttaatctctt aatcttgact tgaatcaact atgaatagct 240
tcaatctttt ggcatcatca aaatcttcat acagcatatg cattcacatc tacaagttag 300
tttccggttct tgttagattnt acataaaaaa attgggttttgg gtttgggcc tttaatttac 360
tatttgtctt ctggagttag tttggaaata atggaattac tagagacaaa atctcaattt 420
gattgattgg aaatggatgt aactc 445

<210> 2479
<211> 233
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2479

agcttagatt tttagtcaa actgtggta gaacaaaaat agctaataatg atgacaaaana 60
attgttcatt attaaaatca gtcccaccaa ctctcatgtg aatgtctcag aacaatgatg 120
agagattatt accgattaat attatatact tataagaatc aatagaacaa aagaatatgt 180
ataaaagcaat tgcaaaggca tataaaactc aagcacttac aaaaaagtcc atg 233

<210> 2480
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2480

taaggaatct ccgganattt tattaattgt ttgtgtttct gataggatta acatgataaa 60

tagttatatt gcgatcatga aattatgtat aagtgataaa ttaaatatgt gatgaattgt 120
gggataacat gttgcttga aattataata ttgttattga gattgagttt aagtgc当地 180
ttaanaatgc attaatttgt gagatacacy taaacatgtg atggtaattt gtgatattat 240
gagatgtaaa attgtgaaca tgaaatttag ttgtacataa atgtgtgggt aataacttaat 300
ggtaataac tcgtgttgc agttgtgaat tatacaataa t 341

<210> 2481
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2481

agctntngc tgctcaattt ctccagggtt ctgcattggaa aggcaaagggt ctgtatgggt 60
gtcagcagag gaacacaaac cgcagaccct tgcgacaggt acagatttt ggttcaaggc 120
cagttgggtt accaagttaa ccaatgcattt cagtttcct tcaagcttct tagttcaga 180
tgatgcagct gagttttagt ctacctcatg cactcctcta atgactatag cataatttct 240
ggcgctaaac tgctgagagt tggaagccat cttctcaattt gaatttctgg cttcaacagg 300
agtcatgtct ccaagggctc caccactggc agcatctatc atacttctct ccatattact 360
g 361

<210> 2482
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2482

tcctcgcccc cattcctgca naggcaaaca ttggaaagt tagtttacc agtgggacgt 60
tactctaaa gcacaaatgg catataacct cctccataa atacaaacat caatgtaaaat 120
tttagagtaag cttatgcgca tatttcctt caaatgttct cttgcacaag acattctatt 180
aaccgaaaaa atgcacccat atacaatcaa ggcagctccg ttacctagat tatttacacg 240
tatttccaag gtgtatttgt tacttacatc acacacatct cttggctaa attcacatac 300
atgcataaccc aaagcatttt ggggtaccaa aaattgcaca tgtacacctc ttggatttc 360

taataccat acatacacaa actctatgat gaatcttgc tatctacaca ataaagtgc 420
acatttcatg ctc 433

<210> 2483
<211> 433
<212> DNA
<213> Glycine max

<400> 2483

agctcgtagt atgagggagg actttatgat ggttccgc cat ccacctactt ttttgatgtag 60
tttcctttta gcagatgctt caggagttgt aactccgagt ttggttcatt tgtaattttg 120
ttgcttcagg ttgttaagcc ccttatatta ccaaaaaaaaaaa gaaatatcat agtatacaat 180
attatacaaa ttctctttt tctttattct ttccctgtat tccaaaacac aaaaatttct 240
catatttgag ttgaaggagc actctgccct agaggagtagc tctacatgg agccaaagga 300
gcactttgct tatttataac taagtgttcc ttatatgct tcactaacta tctataaata 360
aagttaacat ttggtcaagg gcattgcatt ggagattcta catctactag tgataaggc 420
ctgaaaacatg taa 433

<210> 2484
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2484

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agagggaaagc tccccaaagtt ccaactccga acacggctcg accggccggt aattccaaca 120
cgacaaggaa ctccctccg aggccattgc cgaaattcac cccgctccca atgacgtacg 180
aagatcttct accatccctc atcgccaatc attggctgt ggttaactccc ggaagggtcc 240
tcgaacccccc ttcccgaag tggtatgacc ctaacgcaac ttgcaagtac catgggggtg 300
tccccgggca ttccgtcgag aaatgcttgg cccttaaata caaggtccaa catttaatgg 360
atgtcggatg gctgactttc caagaagatc ggctcaatgt gagaaccaac ccgctcgcca 420
atcatnggag ggggagcggt aat 443

<210> 2485
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2485

tcaatcattt ccaaataatgc atgtgaatta ggacgcata acaagaatca agccaaggct 60
attgtgcaag caatcaatgg ggcaaaaacac accaaatgat tatgtatgatg gatggctcan 120
attctcacaa aggtaaaactc atcactttca aattgagctt tcaaaaactat catgacatgt 180
agaggagaat caaggatttc aagtccaaaa atgtcaaaaa cttttattcc aaaacaatta 240
cccatttctt gaacatatacc tataattcaa agaanaacat gcaaagttgt acatgcacac 300
aaaattgacc caaaatatta aactaacaat ccgaagaaaa ctacaacatt aacanattaa 360
caaaaaccaac aaaactagca aaccaaaagaa cactcccccc ccccccccat acttaaacaa 420
cac 423

<210> 2486
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2486

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ctcacaatta gaaatgttag tcagtagaca gtttgattgt gaatgaaaag ctgtatcata 120
aattggtgag agtgtgatct taaattgtga gtgaacgact agcatagggt aataatttt 180
gcatcaatct ctaaaaattta tcacatgg tgggggtgcc ataagcggt agaaaaattg 240
aacaaaaacac ttgactggct atttgctaa atgaatgtta aatacaaaca tgcgtgtat 300
ctcatcttat catcttcaaa agtttgcaa aaattgagag tcgttgcgtg cgcaacctac 360
cctatgacgg gcgtgcgggt ganaagacaa aggagcggtc tccanaaaagg aaaacacacg 420
ggagtcaccc gcaacat 437

<210> 2487
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2487

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aggctataaaa tagaagcatg tgtaacactt gttgttaactt tgatgaatga gagtcttgt	120
agacacaact caaagttcaa cttttctccc ccttttcctc cttcaatttc gtgctccacc	180
ctctctcttt ctctctctct ttcttttcct ccattgaagc atcctctcca agcttcttat	240
ccaaggcaca ttcttggtgg tgaagctcct tcttccatgg cttattccct agtggatggc	300
gcctcctctc acctttctc ctttgtctc tgctgcatct ccatggtgga aaataaccat	360
tgaaggacct cattgatgct canagatcnc agcctcacag aagctncaca nagcaagctt	420
cattangtgg cttagccagg agtc	444

<210>	2488
<211>	490
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 2488

ccgatgtatca cgatcaacct acttaggaca aatntataat gcttgaatn tattgggtg	60
gtgtataat gaaataatgt aaaactgaaa tctcaccaat taaagttat aacataaaaca	120
aactttaaga ctaatttggtt tcgaaaagttt tattatttat tgctcccttc aacttttac	180
agttttacta ttgtacaact caaattaatg gcgaaaagga aacaaacctt tttgcttgtt	240
tttccatttg tgtgaaagtt aatttgattt ataatttcac tattgtttca aaacttaatt	300
cactgttctt acccaatcag aagtaaacac acacaggaac ataagttgca taacccttt	360
gcttggagaa ggaaaaaaata taaatttcca tctacaaaac atacctaana cacaaactca	420
ctttccccat caccctaatg tttggtacaa caattatagc atgcaattat ntaaaaataa	480
ataacatgat	490

<210>	2489
<211>	441
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations

<400> 2489

agcttatgtc tccacaagac cttccatcat cttcaaaagc ttcattacta aatgaaaagta 60
aagttgattc ccatcttgc agcatgaaag gtcttctca tctacagaag ttccctctgg 120
ttaagtggaa aaggtttcat tctctaccag agcttccacc attcttgaa gaattgtcac 180
taagtgaaag caaatattgag tgcataccta anagcatata atatcttct catctgagaa 240
aactagccat aaaaaagtgc acagggttc gatatttacc agagcttcca ccatatttga 300
aagatttgtt tgtacgtgga tgcgatattg aaagcttgcc aataagcatc aaagatctt 360
gtcatttgcg aaagatcacc ttaattgagt gcaagaagct ccaggttcta ccagagctcc 420
caccatgctc tgcaatcatt t 441

<210> 2490

<211> 422

<212> DNA

<213> Glycine max

<400> 2490

ctgacttgag tcatcaagag attataaata tgggccatg gcatgagttt caatcgtaa 60
tcatcaatca tcttgaatc atctatctt caatcttac aacatcatct ctcaacatct 120
ttcaatatct ttctacagaa tttctgatt catttcttta catcttcta aaagttttt 180
atcaaacactt tctcttccaa gaaaaggctt ttattcaaaa acttgtgtta ttcattttt 240
tcattcttta ctcccttgc caaaagaacg aaggactaat cgcttgaatt cttttggtc 300
tctcttctcc cttacaaaag attcaaagga ctaaccgcct gagaattctt ttgattattc 360
ccttccccctt aagcaaaaga tttcaaagga ctaaccgcct gagatatctt ttgtttcccc 420
tt 422

<210> 2491

<211> 453

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2491

agttcatgg aacatttatg atactgatgt aaattcaggt cttcatgggt ntacaaaaat 60
catagttgtt gtttaggcgg ttatcggtt caaaattcta gaatgcttg taaagatgtt 120

catcaagtcc aagtctgtgc ctatgcattg tagtcgaaat gaattcaaga tagtcaattg 180
acccatttcc gtcaacatca gcctgaggaa aaaatataca tgtcttgcaa attgaaacaa 240
ttaggaacaa agcanaaaatg catgacaaca aaaaatagta taaagatata gaaaatatca 300
tagtttaatc acaacattaa aaaaggctnt agctagagcc tacataataa taattataat 360
aataataata ataacaacga agcanacatg cattacaaca naacaaaatt aagaaataat 420
aaatatcagt gttaactcct attgtcacaa cat 453

<210> 2492
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2492

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tgtgacccgc agcacacagc aaccagcaat gacgaccac ggcgtgaacg gcggcaacga 120
gcacgacaac gacgaccac ggcgcgaacg tcgacgacga cccacacgca gaacatcgcg 180
atccaaactct agtgggcatc ttgaagctt attattttt tttgggtttgc gctttctgt 240
ttgacaccca tttttccct ttttctattt gacaccctct ttttactttc gatagtccca 300
ttnttattnt ttttctatt tgacaccaca attattttgt tcagtcctct tttatagtgg 360
aaccatcatc tgat 374

<210> 2493
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2493

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gttccgagta cattggattt ggtacgacca tgccctctg atttccagct gggaaattgg 120
cgagtggagg aacgccccgg catttacgca acgagcataa tgtaaacctt tacggttaa 180
aagctctata gttaggccta ggcttttagaa gtcttcctt ttttaagagc tctgtgtcct 240
ttgctattga acttataata caaggatctt tctttatctg ttcctacgtg tctaccatt 300

ctcattcat

309

<210> 2494
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2494

tgagggtta gttcagtgg aaggaaccct cttnnncc cttctataaa gactaatatg 60
acaataagag gggtgaattt taattttac aaattctcaa aacttttct aaacacaaca 120
atgttacgtc tgaagatgaa tatgtaagaa aacatatatac atatttcgc agagcaattt 180
agacaatgac ttccgatctt gtaagacaaa caatgattt caaataaaaa aatcaaattc 240
gaaccataag tcaatttata acacataaga gaaaataaac aagataagac acatgaaatt 300
atattggttc atctaaacca ctgagactac attcagttct tgacaaacca ctaagtacta 360
ctaacttcaa ctacttataa gtatttatga ctctcactnt tagttcctta actcaagctc 420
tataccaaac ttgttccaat caatattttt tttttat 457

<210> 2495
<211> 279
<212> DNA
<213> Glycine max

<400> 2495

agttccctt caacaaagag aagagaataa tgaaggattt aagaaataca agtagtgggg 60
atgtcttctc cacctctaga acctcacaat cactcataga ctcatctcat gctcttagga 120
tggattccctc ttcaactctca gttctctacc agtcttcgca taacaaacgc tctcaaaact 180
ctctagaact tggaccttcc tctctctaga aatctctaaa catgcaaaag ctgcgagaac 240
tgcccaaact cccccctccat ttctgatttcc aggcttaaa 279

<210> 2496
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2496

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aattgaaaat cttttaataa tttctcgcc ttgaaaattc attntcgaga acctgcacag 120
tttctttat tgctacaagg tcatgacaaa agacaacaat agataaccta gagccctaca 180
ttggggcaat gaaaggcacc atgcaagagc cttaagtcaa cctagggta gataagaagt 240
tctcacccgg aaggtcgaaa acccgaaagg gtggcctagg caaaaattag ggtaataaa 300
aaataaaaaaa aggagaaaac aatcatgagc gtggtatca gggattggc ttgaaatcca 360
aacttgcaaa ggatccaagt caagattga aatgacacat 400

<210> 2497
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2497

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gaagagctaa tgagagagat gaaaggttat gtggaggac caaacaagg agggaggt 120
tctctactag tgcaaaaactc actacatcta ttcatcctac tagaagtatg gaacttgaat 180
gtctcatgtg ttcaagaaaa gggcatatga cctcccaatg cccaagatgg aagacattga 240
caaatgagct aaaagaaaaa agatgaaaga gaatgagttt agaanaaatg agttgaggga 300
aaaagaaaaat gaaatgagag aaaaagatat tcaagaaaaa gaaatgaaag aaaaagagat 360
tagagaaaga gaaataattt aaatagacag tgataaagaa tgagcacagg atgaagagaa 420
gtatgactac tctt 434

<210> 2498
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2498

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catacatatt tatctaataa tgatntgggt gtcactgagc tatcaagact taattctgt 120
gtgccgttac catgatcacg gaactacatg cttagttagg gtgactcaac attcgaaat 180

gggtgttacc ttacaacctg ataggacagg gctggactat cgcatggca tgatacatca 240
tggcacgata acctatgttt tgttatgtta tgtc 274

<210> 2499
<211> 409
<212> DNA
<213> Glycine max

<400> 2499

tgagcatgca agctcttcaa acaacctgct aagcttattg caatactcca aggcattata 60
tgcgggtggc aaatgttgcc cgaagagtat atcgtgaata tgaatcacta tttcaagatg 120
ctgcgatctt gacctgaact ttatcttctc ttccctttcc gttcaccgct acatcatcat 180
tggcgatata atgctatgca ctcttactgt tgaaaggcct gttataaaaa aaaatctggc 240
catgtactgc atgatgcgag ttatgcatct cttccaaact aaagatatat tgcaggatta 300
catgaacaat tttgattaaa agatgttatta tcctaaccac aattgactta tattatgtta 360
atcaagtcct actttattta caatatataa cagcattaac atgaattaa 409

<210> 2500
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2500

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ttcgaagaat gaagggtctg tgtttgagg tggcgatgag gtggaggaca acctcggtg 120
cataggtggt gttgaagatg gagccgttgc cttcgaggtt gttcggagg gtcttatagt 180
tgacgagggtt gccgttgcgg gccacgcccga ctgagccgaa gcggtaaccg gcgacaaagg 240
gctggacggtt tttagcatg gataggacgg cggtgaggta tcggacgtgg ccgatggaga 300
tgctgccggg gagctggtcg agtttgatt ggttgaagac ttcggagacg aggccaacgc 360
cggtgatgga ttggaggacg ttgtt 385

<210> 2501
<211> 560
<212> DNA

<213> Glycine max
 <223> unsure at all n locations
 <400> 2501

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tacacttcta ntgcctctgg cncgcttttn tttaacanna acanaagggg acgtgtttga   60
aactagtcaa gcatgtaca ctccaaactnn tatccaagac catcttgggg gagcgcttct 120
catggcgatc ttatgaaggt gcttccactc atccctggga ggacagtaca tccacatgg 180
ggaaaatcaa catagaatga cctgatata agtcacaga tccatcctcc atcaaagctc 240
cacaccaag ctaccatcac aaatatata cgactactaa tgagtcaaa cgaataactaa 300
tgggtggta agactacgat ccgctacaca tgagactaaa cgcattctgg agggacgaac 360
gtatatgtgt aggatacaga gattggttat ggagctcacc tcttctcatt gcgactgatt 420
atgacaggcg acttgcttcg ctcgtagaaa ccgtgaggca agaactcgag gggacgatcg 480
tatcagagca ccatcgctgg gcctcgccct gaaccagtca gtacttcca aaccatttcg 540
gtgtcaaaca gaggcaatcg                                560
  
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<210> 2502
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 2502

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atcttacta ccttagaggc ttactaagct tattatattc agatcgagtt gcgcttgatg   60
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tgaacatgca agtttgaag ttttgagcat attttgacc ttttccttt cttcatgaag 180
aacttggaaa atctgagctt tgtctacaca tgtgaagact accggtaat ttgatggtgt 240
aggtgaaaat aaaattgaac tggtaatgt gaggaattt aggagatctt tgatgcttaa 300
ctttcctta tatattaacg tgacaaaatt ctacattt tttatggta acacttctcc 360
acccttgtg ctgaan                                376
  
```

<210> 2503
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2503

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ctatgattnt acttagtagg agtcatgagg acatgacaag gactaatggc aaggaacctt 120
tagaaggact tggaggacct atgtcaaggg ctagaacaaa gaagaccaag gaagctcttc 180
aacaagtgtt aaccatgcta tctgaatata gccccaagat acaagtggat aagattcaga 240
ttgtcaattt taccatgttc caagaagagt agagggtgcc acctttgtt agtggctnta 300
tttagtatttt gctagttgaa ataaaggctc anacttgtt taaagtgact gtcaattata 360
tttggatttg caccacctat nggacttggta taatntgaag aaattaagat ttaat 415

<210> 2504
<211> 296
<212> DNA
<213> Glycine max

<400> 2504

agcttgagga gcttgcttta gcccatatag agctttattt agtctaaaaa cacgatgtgg 60
aagagtgtta ctctcaaacc ctgcgggtg ctctacatag actctcttgc cattagttcc 120
attgaggaat tcacttttac atccatttga agagtctcat atgtatgagc agcaatgacc 180
tatagtgtat gcctccggtg acaacaagag tgaagttatg tatatcatac ctccttata 240
aaaccttgg aacaaccttgc cctgttgcata atactaactt cctataaagc tatgtc 296

<210> 2505
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2505

gttngtgcgg aggtgccccaa accataactc tgatgacact gcatacgctgt gtatcttcta 60
tagtgggtgtt aaacctcaga ccaagatgtt cttgtatacc tcagctggag gcactatgtt 120
gtccaaagata ctgaaggaag ctattgtat tattgactcc atatcatgca atgattatca 180
aagtcatcat ggaacaacct tcactttagt aacatgtatc atggagctgg acactccaaag 240
tgtaattcttta actcataaca cactcttggt gcaacaaata gaggccttaa gcaaacagat 300

aggccaacctt cctcaataat atcacccaaag tggaccacag aatacacaca caactcatcg 360
agttcaaaa 368

<210> 2506
<211> 396
<212> DNA
<213> Glycine max

<400> 2506

atgcaaggcct ttgtacaaag aagaagaaga agttcttaga gattcaaggc ttgtaaagga 60
ttgattggaa aagtaaagaa tgaaggaatg aattaattga aaatgcaaaa catagccta 120
ctttataga ctcttcatgt ctggtaaga agactattag aagagtata acttttagaa 180
aaacttaaaa ccaatttgaa taagtcaaaa accttttaa gagttacata gtttgattta 240
ttcagaaaca aacactggta atcgattacc aaattagtgt tatcgattac acatagctt 300
tgtgtgaaag gatgtgacgt cttacattt aatttgaatt tcaatgttca aatgcactgg 360
tcattgatta cctaaacatt gtaatcgact acagct 396

<210> 2507
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2507

gactctatac atactcagct cttgatgtt gatctaggc tcagtagttg ctcttgaatc 60
anaatctaag aaagatccta gagattcatt gaggtgcatt cttgcatttc tacttcaca 120
agaaacttgg aaccctgnga aggttgatta ggttaaggaa gctctaaatt ttatTTGAT 180
tgtgtgacta atgcttgaa tggatgtt tttgggtttt attgatattt ataagttgg 240
gtgagtcattt gcagaagggtt gggatgagta ggtataaccat tattggccat gtatTTGCA 300
attcgcaact tcattttcat ttcggccaa ccgaagttnt gttntgactg accaaagcat 360
gacaaagtgg agcattaagc tccatagagg tttcagccca acaagagctt ngttcggcta 420
tgcatgagtg agatagagtg gagcttaag ct 452

<210> 2508
<211> 470

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2508

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ttaaatttagat attntattat tttttggc cttatattca gggattcaca gtgtaggag 120
ggtatcctag taatatacca ttttcagcc tttgtatTTT agggcaccta gactagttt 180
tgtattatgg gtagtttat aatttcacat gcattaagtg tattattga tgtgtgttt 240
gngagagaaa tttaattgaa ttgcaagaag ctcaatccaa ttAAATTtta gaccagccta 300
agggggaaagt gagcatttg ttgttacacc tcattatcac atcatatagt cacactttgt 360
gtttgtcctt catgctttac atgtctcatg gcacctaagc acacttagtg gagaatctt 420
gatttgatct tagatttagtg cgctgaatca tagctgaact cactaatcat 470

<210> 2509
<211> 134
<212> DNA
<213> Glycine max

<400> 2509

aaatgttgcc ttatTTGTT ctgaatttg tatgttggtt tggtctgtgc gttgggtggct 60
tggttggta tggtgggtt cgatggtggt ttgggtcgcg ggtggctcgt ggcttggtt 120
gtgatggta tctt 134

<210> 2510
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2510

agttcgggc tgctcaattt ctccagggttg ctgcattggaa gggcaaagggt ctgtatgatg 60
gtcagcatag gggcacaaac cacagaccct tgcaacaggt acagatttct ggTTTAAGGC 120
tagctgggtt accaagttaa ccaatgcattc cagttgcct tcaagttct tagttcaga 180
tgcgtcgtt gagttttagt ctacctcatg cactcctcta atgactataa catcatttct 240
ggcgctaaac tgctgggagt tggaagccat cttctcaatt aaatttctgg cttcagcagg 300

agtcatgtct ccaagggctc caccactggc agcatctatc atacttctct ccatattact 360
gagtccttca taanaaatatt ggagaagcaa ctgctctgaa atctgatggt gagggaaact 420
gacacatagt ttttaaatac tctccagta ttcatacagg a 461

<210> 2511
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2511

tcattctaca ncctgaaaag aggatgagat agttgcacga aagagaaaagc ttcctaacta 60
aaattttcat gcaagtggac cttcttctag taattctgac ttaccgcagc cttttatccc 120
tcttcaattc ccaccttagag caattccaaa caaaaaaaaaat ggaagaagca gaaaaggaga 180
tcttgagac cttcagaaaa gtagaggtga acataacctt gctagatgcc atcaaggaga 240
ttccaagata tgccaagttt ctaaaggagc tgtgcaccca caaaaggaag ctcanaggca 300
atgaaaggat tagcatgggc agaaatgtgt cagcattgtat aggtaaattt gttcctcaca 360
ttcctgagaa atgtaaggac ccaggtactt tntgtatacc ttgcattatt gngaacaata 420
aatttgagaa tgacatgcta gatctaggag catca 455

<210> 2512
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2512

agctntanac caagctcgga tggatctcat gctatgattt atcgatttgt tgattcaaag 60
tcagtctcat accattggtg gttcgaactc aaatcgtgg actccagggt cgtctaacgg 120
cattccgggtt actttgatta tgacagttc tgcaattcga gacatttctt tgggtttcc 180
gcattntgat ggcataacac cggctttgga gtggatcttc aaagcagaga agttcttcaa 240
ttatcataac actccagatc tggatcgagt tgatattgct tctattcatt ntgagaagga 300
tgtgattcct tagttcaga tggcaacg gatgcaagtt gtgaggcattt gggctgagtt 360
aacacgtgct ntggaaacac naattggtcc ttcactgttc gattgccgat ggcnaattat 420

tcnactcaa cattttgata gttgctatat atttg

455

<210> 2513
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2513

tatcccctaa tgcacctatt ccattcctcc catggtcac atcaccataa acagctataa 60
cctctctcca gccaaagttag ttaacaaagt ctgctattgc agtcattca taaatgtcac 120
taaaagcagt tctaataaag aatggaaatt gaagtgaaga aagagtaggg tcagtggctg 180
taaatgatag tagaggaact tggagctcg tgcstatatg agatatgaca tgagctgtt 240
tagacgtctg gngaccgatt atagccacag tttgtttgc catgagctgc aaggctatta 300
cacacaattt atgtaaacca agagtaataa tctgccaaac tntgaagtaa ctgtctaat 360
aganaaaaag atgctttaa agtttaaca cataaaaaag atggaaat atgtgaaggac 420
gtaccctctg caatgctca 439

<210> 2514
<211> 382
<212> DNA
<213> Glycine max

<400> 2514

gcttcgctaa gtgagacacc agctgctagc cttcacaagt ttcattttt ttacctaaa 60
attgaagttg aaacacatta tattcacaat gttggcatt tctactgaac aaaattaaac 120
taaacctatg tacaaaccta caaaaagaac cataaattgt ggaaaagaca aacattttat 180
aaaacttttc tataaaaaag ttagttgtaa atgagactaa cattggttcc gccctgcctg 240
ccgaggatta ttagtgagg agaccgcatg catgctgatg gacctctaac aaggcacttg 300
ctgtttcac atatccgcaa gtgtctagac agactaacc ttgatgtggt gtgccgaatt 360
ctgtatggtg accaccattc at 382

<210> 2515
<211> 415
<212> DNA

<213> Glycine max
<400> 2515

tcttatccaa gacacattct tggtggtgaa gtccttctt ccatggctta ttttctagtg 60
gatggtgccct cccctctcct cttctcattt tccttccgtt gcatctccat ggtggaaaat 120
caccattgaa ggacctcatt gaagctcaa gatccagcct ccatagaagc tccacaagca 180
agcttccatc acaaataattg aatgactact aatgagtggt aatgactatt aatgggtgg 240
aatgactact aattggtggt aatgactact aaatgcattc ttgatggtag aatgtctata 300
tatagcatat gtgttgggtt cttgagctca catcttcat ttgcgtctga tattgacatg 360
tgttttgttt tggtggttgtt aacctcacat gttgatact tgagtcttac atttg 415

<210> 2516
<211> 292
<212> DNA
<213> Glycine max
<400> 2516

agtttcttat ccaaggcaca ttcttggtgaa caaagctcct tcttccgtgg ctattccct 60
agtggatagc acctcctctc acctcttctc cttgtcttc cgctgcattt ccatggtgaa 120
aaatcaccat tgaaggacct cattgaagct caaaggcca gcctccataa aagctccaca 180
agcaagcttc catcacattt actcttcctc caacttccaa aggtactttt gtccaccata 240
atgacttttt ttctgtcttc ttttctggag gtgggaccat gtcattgtct ac 292

<210> 2517
<211> 460
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2517

tgtgtaaacac ttgtngtaac tntgatgaat gagagtcttg tgagacacaa ctcanagttc 60
aacttctctc ccttttctt cttcaattt cgtgctcccc cctctctt tctctccctc 120
tttctttcc tccattgaag catcctctcc aagcttctta tccaaggctc atcttggtg 180
tgaagcttct tcttgcattgg cttattccca gggatggcg ccgccttta cctcttctcc 240
tttgcattcc actgcatttc catggtgaa aatcaccatt aaaggaccc attgaagctc 300

acagatccag cctccataga agctccacaa gcaagcttc atcacatgtg caattgata 360
aaatataatt tacaatggcc taactaatga gattaccctc acccatcctt gngcactaaa 420
ttgtgtgca tcctcaaaca ccttcattag tcaaggatag 460

<210> 2518
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2518

agttccatg tgcaaggtaac gccatattct ctatcttca gtaacctaa tgcctgttgg 60
ttttagtagg tcaactggtg ttcatntt gaatcagctt cctagtgtac caagtatgac 120
aacagacaac atatctggca agtatgtatgt gaagaagaaa gaaaatatac caattagaat 180
tgcaggtgat attgtatggtg gaatgcttga tggccacctt aatgccctg gtgggtttg 240
gccccacatta ggagcttcaa aagttgtaaa accttcaaatt tcacctaaca t 291

<210> 2519
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2519

ngtagaatgt gaaatanata tagggagtct ctagggcttggaggagac gacagattt 60
ggatatgaca aatattacaa ggacctgtaa ctcanaacat gggagaaaaag atttcactgg 120
tttccttattt gtgcaccac ttcccataa cccatctgaa acaatatggg gtggcgtac 180
atgcaggcat accatgtacc tgtgcgtcgc ctcatccact gtcgttaattt aaaggaacat 240
agttccattt ggattcaaatt tcattttgtat caatctatat gagaggagta gtactcaata 300
atggcactta attaattttag ccaatgagag agtgttaattt aatataatatt tgtcacgaca 360
cgtacgggct tgctagctcg ctgcatttttgc actgatactt aattttgtaa 420
agtttggctg ctgtgtanga aatagtagca attgcaatct cataattaag taattt 477

<210> 2520
<211> 354

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2520

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 ttggattgca tcacatttat cactaccgct gccgataatt atcaactaac atgggcaatg 120
 tgacaccctt taccggaaaa gatttatcta aataatagtt gtggaaaatg atataaaatg 180
 cacatgtgaa aataacaaat tttcaaaata tactccacaa ttttcataa aaaaaaataa 240
 ttaaatagtt ttttctatta taaaaacaat taatagaacc tgatttgagt tttggacaa 300
 tgtanaanag ggagttcagc tggaattgat agtcattata ttcaatgcaa aaaa 354

 <210> 2521
 <211> 493
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2521

 tccatgaatn tcttggtacc agaccttagca attgtaccca agttgctcac catatctgaa 60
 aaaaaaaaaaca taacaaaaat gaatttagaga ctaaccaggta aaacaaaaaa attggtccac 120
 aaatatctca ataaaagaac atctcaacctt accagcttg gtcatgccaa taccattgtc 180
 aacaatggtt agcatattgt tagtcttgtc aggaataata tgaatgaaca actatggcta 240
 agtatcgagc ttgctcttgt ccgtcaaact ctcaaattcta gtcttgtcca aagcctanaa 300
 tttacatac aaccacataa ttaattaatc tttcaaaaca aatcaactca agaagaagac 360
 caatattaac acaaccacac atcacactaa aaaaattcag tggcagggtta caacattca 420
 atcataattc atctcccaac gtaaccaatt cactcctaca aaataaaatta gatgtcacta 480
 attcactatt cac 493

 <210> 2522
 <211> 378
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2522

acaggtgaat gaccattta tatggataa tgatccaagt atgtgtgacc ttgaatgtga 60
nttagaagaa gaataacaag aagaagaaga agaagaagaa tccgacaaaa gaaactagag 120
atacagacct ccatctgttc tagctcaaag gataaatcta gatgaatgag catgggtcga 180
aataagaaaa gatcaacatt agccgctcta gatctataa aaagctctag agatcctcag 240
agaagagggg gcttttccct cgacttaatc accaactgat gtatctctgg tttcttgatgc 300
tcccactgat accactacac aatgcagaca tcttgatacc cttaacttt ctcaacctat 360
actttgcatg atggctc 378

<210> 2523
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2523

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ccagcaaggc aattgagcca ttctaaataat gttctgaacc gtggattaac aaggatagtg 120
gactgctcaa aactttgtga ccaactccat tgtggcctc tttcgaataa gcttaagctt 180
agaactaaaa agtacttata ttagtatcat gctggagaaga ggaagagatc gaagaattgg 240
tgtggtacaa acgataatta ttagtatttt tatttaagc ttaaataatt ttttgtacc 300
tacaaaataa gattatggtt ttggtatTTT gcctttttt aactttaata tctgaatttt 360
tttattttaa aaaaactacc tattgtgata atganttgac taccaaatca ataattnta 420
aatggtttgg acttaatgta acactcctcc ataagtcacc ttatttagtta aagaagattt 480
ctaacaaac 488

<210> 2524
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2524

tgaagatttgg gaagaagaag gaaatattaa taatgaagat gcggntttta taaccaatga 60
accggtaaga agccttgtca tattcgcttg gtgggtgcaa accaaccggc gggcatcatg 120

cacagaataa tcaaatttcc aatcgtaat cagtgcacct tcaagtggta cacttcgct 180
tggcaatttg gttaaatcata gaatanggac tggtaatga ccatcttaat tccataaacc 240
tcagacatta ggggccttc tttgatttct aaagttgaat agaaggctt tacaagatca 300
taataaaatag gtaatttaga gacatgaat 329

<210> 2525
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2525

ttcataggtg anatcacgtg cagccatttc ctttatagtc ctctcacgag gtggaggttg 60
tgccatgttc tcagaatgtg caaaatcaca atgctcagaa tcagaatgct caaaaattata 120
atgctcaaga tcaagatgtt caaaatcacc aataacagaa tgcacagatt caccagttat 180
ggaatgctca gaatgatcaa aaggtataaa atgatgccta actaatctat gaaatgtcct 240
atctatctca ggatcaaagg gttgtaagtc agatggattt cctctagtca tacactacat 300
tcagcatgca cacaactagt tgccttgtca tgtaaataat agttaggtt tgaactacag 360
ctaccctcaa atgatatcca catgacttga aattctgtga gcaacccttataaaatgtga 420
gaagat 426

<210> 2526
<211> 394
<212> DNA
<213> Glycine max
<400> 2526

cggacactat aatactcaag cttgtcaagg aagaaggacc tcctatgctt ttggagggct 60
tccccacagtg ctatattatg agagagctct gcggggcaa caccacagac aaacatgatt 120
ggaatgcaag aatatatgac atagcaaata tataatctat tgcctacttt cggttcggct 180
aatgcattag atatctcatg attaaactag aacatatttt ctctctctct tgtcagaagc 240
ggtcgcgaga gacagcatga aattatgaga actcataact tgtgagcaga tgaccttac 300
gtacagtgtt gagcatatat tatgatttt atatcttgta tataattatt atagaatggg 360
tgagcacact cttgtgaatc tcgcacatataat aatc 394

<210>	2527					
<211>	352					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	2527					
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ccgttggatc	ttctcaaaat	ttgggctgga	gcattacaga	acacttgcac	gacgtttcg	120
tttccgagag	cattagtcac	tttgtcattn	tgaggcattgt	agtccaagta	gctttggaaa	180
aatgccattt	cttcttcttc	cttcatccaa	aaccatttcc	aacgtgccaa	gctatttctc	240
catcacccac	agccaccagt	agccaccaca	naccgccatt	gttctccatt	gaaacccac	300
accgagagga	aaccttcacc	aaagcgaatc	tttaacttgc	ctcatggttg	gt	352
<210>	2528					
<211>	345					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	2528					
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tgagaaacac	aggtgatcaa	ataacaagca	aagatttaaa	aggtactagg	ttgcctccta	120
gtagcgcttc	tttaacgtct	tgagtccgac	gcgtgatgac	ttgtcggtca	tggacctagt	180
acctttgctt	tcctttggct	ttggacttgg	tcgcctgctg	gtcgaccacg	ggtcgttaggc	240
aacgctccag	cctttgtata	tgagccgagg	ggctctggag	gtggcggcag	tgcgtctatt	300
ccccgctact	ggccatcccc	aggctaattgt	tgtatgcaatc	ctacc		345
<210>	2529					
<211>	203					
<212>	DNA					
<213>	Glycine max					
<400>	2529					
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cactacatag	atcaagtgac	agtaactcgg	acaactgtgc	aaactgtatgt	gggatttcac	120

cagaaaaact agctacagaa aggcttagat atcttaactg tgaaagctca ccaatgctcg 180
atgggatttg agattgattg aag 203

<210> 2530
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2530

ctgtaaaact taatgctcga tctggtgtca taatgtggag gacctagatg ttgccagata 60
acaacaatag gagaggagaa tatgcaggag ctgctatttnggaaacgc cttccatttgc 120
atgttaaaag aaaccatgtc tatattggaa cagggAACCT ctattctgcc ccattacaca 180
tacgtcagtgcgagagaga caaaataatc gaactgaacc tactcaacca gatgagtgt 240
ttgagccaga caaccactcc aattcgatat tagcccttga tttggattcg gggaaagatca 300
gatggtaccg ccagtgtgga ggcttcgata tantttctt agcatgtata aatgcttcag 360
ctcctaatttgc tccaccccgaa ggtcttggc aagatgctga ttatggggag gcaccaatga 420
tgtngaccat atatataaaat cg 442

<210> 2531
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2531

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accaaatttgc tagagaagaa tctaaaatca tacatcttag ttaaataagg catgctaccc 120
cccaacatta ttgcatttttgc attccatctt tggacattca aattgttgc tattttcctt 180
gttatctttt ccttgcctt agtctaaatt tcgaacttac aattcggtat ctctttctt 240
ttttgtttctt cctcattttctt taataattgg atttgcattca cttaagtaca accagagtcc 300
ctttggatttgc aacagttgaa cttcaatttc aatctttact acttgtgatt aaattaggac 360
acttgcattcaat ctatataacaa agttttggca ctg 393

<210> 2532
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2532

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agggagtctt tatgctttct ttcaaatatcg agaatccatt ntgtaagtac aatgttttc 120
ctaatgatat gatcgaggct tcacaccagt aatgtggact tatcatttac taaaagaatt 180
aggattccag acaaggagaa attaccacca tatacatctt gtgtaacacc caattttgc 240
gtaatataaa ttaaaaaaaga ttctattaa aaataaaatag agttttagga aaataatgag 300
atttcgtaa ttaaataaaat aagagaaaat aattttatta attaaaataa tgatttaag 360
ggtataaca taattatatg ttcttataaa ataaaatgaa tatttaattt attcattcga 420
ttgggagtaa aatataggtt atcttatga aataatataa tanagaacaa tagagtatat 480
aa 482

<210> 2533
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2533

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ctttatgtac tgctatctct ttgatgtctt gggttgatt ctccccatga aatctttca 120
atgttctctg ctgagaact taaatgttagt ccccttttag cttcatccca atagttggac 180
tatggtcagg gccttcgagg tcttgcgcct tttcttcaac ataagaccca gtgtgtcggt 240
attttgtat tttttttca tatgaaatng acatgcaaga ttgggtgggt ctccctgaac 300
aacgtgtcca agaagttgct cgagttgac ttgaacgtgt ttcatcactt caaggactgt 360
ttttacaaag tcctcgcaac tgacgtcatg gctgatgaat tgccactgat cttcaatcga 420
gatgagggaaa ccccaacttct gttctactac aat 453

<210> 2534
<211> 497

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2534

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 ctaagagagc acaaggccta gactaatccc aatgatctt tcttggtttg tacaaatagc 120
 ctccccacta ttcccttttc ttaagttgtt ttcgaccttt ttgtAACAGC acaaacttatt 180
 ttcttttctt tttttttaaa catacaactt atttgatgtt tgtgctgatg cttAACCTTT 240
 ttgttttcat tctaattgac ttttcacccc caaattttaga gtaaatttgc cttgaaccat 300
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 ttcatgacaa atcaataagc tntatacaag ggagcaacag atacaaatat cattcaaggt 420
 aagctatttg gtcaaaaagag cttgtgtcta tacaattcat ggccttcatc atgttctgag 480
 ttatacaaataat cattctta 497

 <210> 2535
 <211> 425
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2535

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 aaggccacca gcagcttgca cagatggaac aaaatcccaa tgaccagtgg agtctcccca 120
 aatggcctgg caaatactttt tattaaagtt ctccctttt gtttcttgg ggcagacaag 180
 atccactntg tgctttacaa tgagccttctt aacagcagcc cacttgactc ccctccncaa 240
 acctctagaa ttataggaga gaattatcat aattgctgag atntaattcc cttctctgct 300
 gccatcaaataat catctttattt ctccatatcc agtagcagcc ctttaacctt gctatcttctt 360
 tcctcataag acaagcccat ttccttcaag atgtcacattt gcagctgtat agggtcctcg 420
 tataa 425

 <210> 2536
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 2536

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gaaagtttgtt tttcttc aaccattga aaaaattgac agttatttg gtctgttgg 120
ggtatatgcac aagtatagaa taaccttcct gggttcctcc ttgttcttgt agttcgaata 180
gctgcattgtc ttccatggtg gcattgctga atgaaactac cagaaaatgc acaacaactg 240
ccacttgcag acatggagaa atcaagtgaa caagcagcag cgactaagcc tcaatagaag 300
aagaagaagc gactcagcgt gggaaaccag cagcttcgta aatcctaatt tatttgggga 360
agaagaagaa tcaaccttgc gtgagagaga atttatagat gcataaccta gtgccacatt 420
ggacagtcta cgtggcactg aattgccacc tatacacctc actaacgcgg tcacctgaga 480
attAACGACA tggacta 497

<210> 2537
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2537

aaccacccga tatgtttagt ctaagcancc tatatatata agtctttgat ggtttanaat 60
ggataggaaa ctgccacaaa taaaaatgtc gcatgtggac taatgaaatg agtaatcggt 120
gaagaagaca aaatacatat gtaaaagttt atgcactggg ttcgagtgcg ttgggtaaac 180
tgttaacaag tactttgtg ttttgaatat actttatgag aggataattc atgttctaac 240
attgtatgat atcattgata agattgttg cccattgaga tattgttcga aaatcttac 300
tttcaaaaca cataacatta agtatcttg gaaatgcggg ggcgaacata agttatccc 360
aattatcca taactttatt caatctactc atctgttgg ttttataaca gtatacaagt 420
gattattgcg 430

<210> 2538
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 2538

agcttcaaga gtatgattgt cgtggngact atagccatca taattttca ttctttcaga 60
gagcttgtcc ttctgtgtga cgtgtcacga agggtagaa taagaaacac aaaatagtac 120
ttccttc tcaacattgc tcatgtagn c tctactactt gtacaaaaat gagtntgaaa 180
gaatatgtt atttgcttaa ccagccttat aacaatacac ttgantcaa atgatgagat 240
agtttgacaa ggagagag 258

<210> 2539

<211> 436

<212> DNA

<213> Glycine max

<400> 2539

gtaacctcta agatcatatc atccacaaag aagaggtggg aaacttaggc attcctccc 60
ttcccaaatg agaaaggttt ccatcaacta ttgtgaatag aatccaaaat cagatgagca 120
agtctctgca tgtagagcac aaaaaggaga gcaaataagg ggtctccatg acaaaggccg 180
ctggacaatt tgaaggaatc gataagagat ctattccagc tcatggagat gtttgccaa 240
ttgatgcaac gagagattag ggagaacatc cgagaaggaa gaccaagggtt ttggaggta 300
tcgatgtga aatcccattc aatatgatca aaagcctttt gaaggtcgag cttcaagatc 360
atgtagcaag gcttactagt attatgctct agagaatgaa caagctattt gatgataaca 420
taattgtcca taacac 436

<210> 2540

<211> 294

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2540

agctttgtcc tcgagagatc ttattcgtgc ataaccctct tctcaatctg cttctgttca 60
tcgctgtcga agttgaagat cattccctcc aaggttgaa cacatgcaat gactccctca 120
aatccctta gtttatgtt tctcttccac tttgtgtaac cctcatggaa tttttcttc 180
tgttcacagt tttgacccta caagtcatcg tacccttact ttgtcactcg agctttaact 240
ggccatgtg tctcttcaag gtttgtgaag caacgccaga gcagntcatc tacc 294

<210> 2541
 <211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2541

ctgagagggt ctgatatacca aagggacacc cgtgctgntt ccagattcat tgataagaga 60
 agcacaataataaaaaccat ggctaagaca accttcttca attaagccat caaaaaatata 120
 ttggtcactt gtatgtcaat tgcttctact tgtgcagctc cgatccagat ttcacgtcac 180
 tagctggata tctgaacctc cacactgtat atgcagcagc attgacatcg cacaacaaacgt 240
 tggctttcttcttcttataat ttttctctga tttgaaaaac atccttgtat tcgacaacct 300
 ccacaccgta aatgcagcagc cattgaccca tagggtaaa tcaacccagt gtaactccag 360
 atcatatagg aacatatttc aatttgcga gaaagaaag 399

<210> 2542
 <211> 414
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 2542

tgtgagactc actaaggca gaccttatgt tatgcgagcc tttggagaat cgactaggaa 60
 attttctgtc ttgggttgta gagagactca ccaacggcgg accttgagtt tgatgacct 120
 atgagactca gcaagggtgg acctttgggtt ntatgacct ttggagattc gaccagtgac 180
 gtgtccgacc tggattntgg tgagattcac caagggcaga tgtagtcgt cttatacgac 240
 taactttgt ataaaaaaact tttacaaaat gtatataat ccccaattta tagttttttt 300
 gtaggattgt aaataaattn tgctctgttt tgatctatgt tcattaaaag cctctttata 360
 tggaattaat gttaaattct cttcaatttc aggcaaaaat gagcacaattt gaag 414

<210> 2543
 <211> 328
 <212> DNA
 <213> Glycine max

 <400> 2543

tgagaacctg cgacgtacctt aaacaggcga gctcctggca gtctaccaat aatagaacac 60
agtccacgaa tcacggaggc ttgtgtggcg gctggccaac tatttgtctt ggtgctatct 120
gaaaataccc tctggaatcg ataccatcgat gagaatcgat acagggttt aatgggaca 180
ggatgttagt agctttagta atcgatacca ttgtgtgaat cgaaaccaat tgtgtgaatc 240
gattacacag atgatagggc actagtaatt gattaccagt tgtgtgtaat cgattacata 300
tcgctactct gctatggaa tcaattac 328

<210> 2544
<211> 486
<212> DNA
<213> Glycine max

<400> 2544

tcttagtctc agctgatgaa gatgaattct tggctacttc atgcactcct ctaatgacaa 60
tagcatcaact tctggcacta aattgttggg agtttgaacc catcttctca attaaatttc 120
tggcttcagc aagggtcatg tctccaaggg ctccaccact ggttagcatct atcataacttc 180
tctccatgtt actgagtctt tcataaaaat attcgaggag aagctgctca taaatctgg 240
ggtaagggca actggcacat agtttggtaa atatctccca gtattcatat aagctctctc 300
cactgagttg tctaattgcct gaaatatctt ttctgatggc cgtggcctg gaagcacgga 360
aatatttttc taagaatact ctcttgaggt catcccaaca cgtgatggac cttggagcaa 420
ggtaatatag ccagtcctct gccactccct ctaaagaatg acgaaaggcc ttcagaaata 480
tgtgat 486

<210> 2545
<211> 156
<212> DNA
<213> Glycine max

<400> 2545

ggagtagcgc agtcaccgct ttaagagcgt tgtacaccag cagcgcttct aagccatcaa 60
gggatggtcg tttctccggg agcgacgcgc tcagctcagg gacgacgagt atactgattt 120
tcaggaggaa atagggcgcc agcggtggc accact 156

<210> 2546
<211> 457
<212> DNA
<213> Glycine max

<400> 2546

ctacagcacat tgccactatt cttcaaggata tttaaaggata tgttaacaag gaaacacaag 60
tatatttcattt acgaaaacat tgcgtggaa taaaattgtt tcgttgtat tcaaaaagatc 120
cttccaccta agcataaaga cttgggagt gtaaccattt cttgttcaat tggagaagtc 180
actatggaa aggctttat tgattttggaa gccagtattt atttaatgcc actctccatg 240
tgcataaggt tggagagtt ggagatcatg cccactaaga tgactttaca acttgctgac 300
cgctccattt ccagaccata tggagtaattt gaagatgtgc tggcagagt aaaacaattt 360
atcttcttga tagactctgt ggtatggat atctgtgaag atattgacat tcctgtata 420
tttggaaaggcc attcatcgta aactgtgagt tgatagt 457

<210> 2547
<211> 201
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2547

agcttctccg aatgcattgtt tatttccagt ttccctgaaga tatctganaa tctttccaga 60
tgacgatctt ctcccttntt ggaaggtaacc acaggatatg gtacttccac accttcattt 120
ataattttt cacttctact cttcttgca ttccattttt tttttcttc ttttcatttt 180
ctatttcgtt ttcttttct t 201

<210> 2548
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2548

nttcacttca agtgctgggt gcaccaacaa anatgctggg tgcaccttagc aacagtcgca 60
attaaaaacca ttttgcgtt tatgaagcca agtccaagat cgaaactaaa catcatcaat 120
caaagatttt ttatccaatg aaacatatta aaaatattgt tgccctcgat attccaaatg 180

ccaaaaatcg ttgaacacca tatcacctgc catatctcac tctctacgct tcacatcaatt 240
gcgagaagaa gcgttctaag tttccatgga acgttgttgg aagattagaa gaaaaccaag 300
agctacatc taacgaaatc tactaggcta cttgcata natgaaaata tgataaatng 360
actcaatttg agagtgatag aagcaacaat gtgaactgta caccaatata tttcgcttt 420
tgcaaatcac 430

<210> 2549
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2549

agctagtttggngcttct atggaggctg gatcttgag cttcaatgggn gtcctttaat 60
ggtgattttc caccatggag atgcagcgg aagacaaagga aaataagtga gaggaggcgc 120
catccattaa ggaataagcc atggatgaag gagcttcatc accaagatga gccttggata 180
aaaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagaggng 240
ggagcacgaa attgaaggaa taaaagaggt agagaagtgg aacttgaagt atgtctcaca 300
agactctcat tcatcanagt tacaacaagt gttacacatg cttctattta t 351

<210> 2550
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2550

cgcaagtctc cacccatcat catgttcgaa ctgaacagaa agtacccaca aacatgcact 60
aaattgccta taaaactcaaa acgtgtttaa ttgaatttat tttaaactct gtcataatgtg 120
tttcattaca attatgaggg atctcaactgc taaatttggt tcagttggc cttctgtcc 180
ttgctgccaa tggcctgcat aatgatagtt tagtgcagtg tcgattctt tctagggtca 240
atctcttagta ggactttaag gtttttattt ttatattatg acataaaggt tgattggatt 300
aagatatttg aaaactggaa cttcaaaaga gtcaaattac tcttcatgcc ttattctgga 360
ataggacagt ttcccttgaat ttttatataa cttacaaaat aaatgttagat ggagttggct 420

tcattcagtc atatggnttg gactntaatac ttagntaatg tccttagcat cattttctta 480
aataaa 485

<210> 2551
<211> 326
<212> DNA
<213> Glycine max

<400> 2551

ttgggggggc actaaaaatgt tataaagaaa catttttaat tctctctaaa acattaagg 60
tgaacatata tttactatag aaactccctca tggttataac agggaaaccga taagcaggga 120
agatgacgaa aaagatggaa atctttacgg gtagggatg aattatgatt aacgttaact 180
tgatatcaat ataaaaaaatt tgttttcata tgttatacca cataaattgg aggctgtgc 240
tgcttgtatt tctattaaacg agaaaaaccg agagggagaa atcctcggtta gtgtgttaaa 300
aaaataacat aaaacgcttt tgaatg 326

<210> 2552
<211> 923
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2552

ggttaataag ggaatagaaa aatatcnac gaacccaaac attattgaat acaatttaat 60
aatatgacaa cncacaggaa ggatgagtcg ttgannncn ncnnntnnan aaaacccgag 120
gggaggnaaa tgaaaanata gagaacggag aggtttaat ttacaacgag gtaagataaa 180
agggggagat tgtactaaaa aaggaggaaa taaaagaaaa gaatggtaa aaaaaacgca 240
aagatgaaga atgaaagaga agaaaaatag atataaagag gactgttagag gccatgaaag 300
aataagtgcg gagaaaaaaaaa gttaggnan aaaaannnaa anaaaggtaa aaaaagaaga 360
aaaggagaaa aaaaaataag aaggagaaga agaggaggaa gaaanggaga aaagagggaa 420
agagaaagaa aaaaaagaat aaggaaaaag aaaggaaaaaa taggaaagaa gaagaagaga 480
gaaaagaaag agaaaaaaga aagatgaaag aagaaacgta agagagaaga gatgagagag 540
aggaaggtga gatgaggaaa gaagaaaaga aaataagaat aaagagaaag aaaaggaaaa 600

ggaatgataa aaacgggaag atagagatag aagaaaagat agatatagag aaagaaaaaa 660
agagaaaagag aatagtaaaa agtagggcg gaaggaaata agtgaagaaa aggagaaaaga 720
tgaagaagta aaagagatgg atgaagaaga aaaaagtcaa aatattagc aaaaaagaag 780
aggcagagtg gaagatatag agaataaaga gaagaaatta gtatgagagg taaatatcaa 840
tgataaaaaa tgtagggaa attagctaga caagtggatg agataagata aaagcataaa 900
aagaaaaaga agaaaaatag agg 923

<210> 2553
<211> 1089
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2553

actgatcgag tcagactgac aacgcnacaa catcaactgaa ctccaaccat ccactagtn 60
gcttctctcaatataaac tcaatcgaan cttcccccc cacccnnccg ggtttgtat 120
acatcggtt cacccgcagn gccatactat agaactgcct gcatgcaagc ttgcttctaa 180
caaagaacac gattggaata tttaagagga acccgacact atcatgaagg aaaagcagag 240
ggacgagaaa aagagtgcct catatgataa ctatgttaca tagcccttgg catcttttc 300
gaaaaggaac tgcaccacac tcgatacataa ttttggccct ttgacaatgt aatgcaataa 360
catttctata ccgtcgcaac aatctagacc taaaccaaaa atacctaagt taacctaaat 420
tgttatccac cacctatatt ataacctcca ataaaagaaa gattcaccct attgaccaaa 480
actaaaaaac acatttctta aaaaaccttg atgagacgaa tgtatcccct tatattaaaa 540
aaaacccgccc taaattggaa cgccgtagaa aaataaaacc ctaatctcca cgcgactac 600
tctttctcc tcaactcaat gctaaaaaaa cgagaaaacc ggcgtgtcca ataggaaacg 660
ctataacaaa tcgaatggtt gacaaggctc aaaccgaatt cttcatccaa cactaaaacc 720
cttgcaacga aaagaagttc ccgaaaaggg ggctttaat tcttcatcc cacccacacc 780
tataactcaca atactaatct tcttatataa caaagctacc cacagagaaa tatccccacc 840
cccacaacta cactaatgnt atcccggtgc tctataaacc cccttgggnt agaagacacc 900
tacaaaccaa cnctttaca aacctaagag tggcgcact cttcacacaca acaaaacctt 960
cgcacataat acctagtaac tcttacaaaa caataatatt cgccggcgcg cgacgccagc 1020

gcttccctt gtttattaa taaacaaaa catatagacg cgcgccca caacatacac 1080
acacctccc 1089

<210> 2554
<211> 200
<212> DNA
<213> Glycine max

<400> 2554

tcagtgttt cacacacaag ggtctactaa tttgggtgct attccgttgg agggattac 60
gggggttgct gatcttgatg agagaaagtt agttgcataat tttgacagca agattgtcc 120
tgtgcccaag gctgaggaa ctgagtaagt agttcaaag caaaagcctc catttggacc 180
aacgttcatt ggagcagctt 200

<210> 2555
<211> 490
<212> DNA
<213> Glycine max

<400> 2555

agcttgaatt taggtctcat gggtatgctt ttctgggta ttccacaact caataagggt 60
tacaaaatgtc ttttccttat tgaaaaactt ttcatctcta aggatgttgt tttcaatgaa 120
gtcaaatttc ctattcaga actgctttg ctttcctcca agtctgattt accccctatt 180
aaccccatct ctttcattcc ctccataacct attgttcctc aatcaatttc ttctttcc 240
ctctatagca attctgtgc tactctact tctgctgatc ctacagctga ttcaaattcc 300
aattatagtc ctctgtcaa tgccgattct actcctgcta ttgcatactga gattccttagt 360
cctatcttg aagctggatc cacttctggg caagaaaatt ctgctcagtc ctcagaattt 420
gctccctctg aagtactcac aacgcaacaa tggAACATGT tcctacagtt aattccatc 480
ctatgccaac 490

<210> 2556
<211> 210
<212> DNA
<213> Glycine max

<400> 2556

ctgtacctta actagttaca aggattcctt ctc当地atccc cttattcagc taaatatgta 60
ccttcaaaac ttgaacttgc aacccgagtg cacatacttg atctaaaaga tactgtcata 120
ccctaatttc gtccgggat tattatttga tgatatacaa cctttgattg gccgcttcaa 180
gatacttaggc accctttttt gcacaatatg 210

<210> 2557
<211> 345
<212> DNA
<213> Glycine max

<400> 2557

agttccatc agcgacac cctctacccc aacatatata taaataaatac gaatatac 60
aaatatcggt aaccaaattc acacggtaa aagggtcaca ttcacttcac tattatcaat 120
taaaacttat taaaacatat ttggcacaaa ataaggccga caaaaattat aaaaaaattt 180
tgataaatta gtgaaataac atataataca agcttacttt tcaataatca accacacttt 240
tttactcctc aatcacatta cacaagaatc acacatttc atccagacat aataacacat 300
caatttcata ataaacaatc agcaacgcat atgccaacgt tatgc 345

<210> 2558
<211> 87
<212> DNA
<213> Glycine max

<400> 2558

gctcctgtat caacctggaa tgatcagatc gccggacaac ttagtccgct tgcgacacaac 60
tcaggacggg gaccttgccc tgcaaaa 87

<210> 2559
<211> 494
<212> DNA
<213> Glycine max

<400> 2559

agttttagg attatggggt acccatcaca tgtggtacta tgtggcggtc gggcgatgg 60
gcacaacaag tttccacat ccacaatgct cgcataaacc caccatcccc tggccac 120
ctccaactga gctcacgtac tcccacgtag cccatatcct cgttttctc aacaccgggt 180

ccccatcaat cctcccaagg ttccacaaca tccaagcaaa acaacattca cacagcacaa 240
gctatcacag ccaagcaaaa caaaagaaaag gcagaaaaact ctgccaaaac accaaccaaa 300
aatcacagct tttcccactc aaagacccc gtaacaattc cttcgatcca atttggtaac 360
cgttggatcg actccaaaat tttactggaa gtctatacata cataaggcta cattttgacc 420
gttgggatct actaacaaac atccagaact cattttacat tactctctcc acaacccgca 480
aaaacatgga tttt 494

<210> 2560
<211> 181
<212> DNA
<213> Glycine max

<400> 2560

ttggtcgtat gcaaaatctt gaaaattgga ttcttcaaaa ttttgcattt gtgggttat 60
gtatgtatgggtt ggtatgggttg tgattggta aacaagctca acttcttc tatcatcttc 120
ctcctggaat tgattgtgtt gaactttgtc ttcatcctca ctataagggc tgagtccctt 180
t 181

<210> 2561
<211> 417
<212> DNA
<213> Glycine max

<400> 2561

ccaggctta ataataaaaat atgttgggc aagtttaca tttggaaaca agacacactt 60
gattaacttc ttctttggat tcatgaatat ttttgtgtt ggaactaaat gttataaaga 120
aacattttta attctctcta gaacattaag tatgaacata tatttactaa aagaaattca 180
tcaatggat taagcaggga accgataagc agggaaagatg acgaaaagat ggaaatctt 240
acggtcaggg tatgaattat gattaagttt aacttgatataat caatataat aatttggttc 300
catatgttat accacataaa ttgttaggctg ttgctgcttg tatttcttatt aacgagaaaa 360
accgagaggg agaattcctcg gttaaagtgtt caataagttaa acataaaacg cttttga 417

<210> 2562
<211> 201

<212> DNA
<213> Glycine max

<400> 2562

gttggtcgta tgcaaaaatct tgaaaattgg atgcttttt aatttgcatt tggcggtt 60
tgtactaagg cggtatggat gtgattggtg aaacacgctc aacttcttcc ttatcatctt 120
cctcctggag ttgattgtgt aaaactttgtt cttcatcctc actatacggg ctgagtcctt 180
tgttatgtaa gccacggct 201

<210> 2563
<211> 455
<212> DNA
<213> Glycine max

<400> 2563

agctttgagc caattcaaacc gacaataact ttttactcgg atgtctgatt gagtcccgtt 60
atatatcgag accgtcgaaa ttgaatattt aagctctaag ccaagtaaaa cgacaataac 120
gttttactcg gatgtctgat tgagtccgt catataccga gacgctcgaa attgaatgtt 180
gaatctccga gccaattcaa acgacaataa cttttactt ggatgtctga ttgagtcccg 240
caatatatcc agaccctcgaa aattgaatgt tgaagctctg agccaattca aacgacaata 300
accttttac tcggatgtct gattgaatcc ccgtatataa cgagacgctc gaaattgaat 360
ggtgaagctc ttgaccaatt caaacgacaa taactttta ctcggatgtt tgattgagtc 420
cccgcatata tcgagaccct cgaaattgaa tggtg 455

<210> 2564
<211> 200
<212> DNA
<213> Glycine max

<400> 2564

tctcaataacc aactcaataac agagagggtt aattattttagg tttttgggtt cgcgcatgtt 60
caagctccata ttgggggttc acatatacat tgcacatact caaagtccct cttagttat 120
caacataata agaaagaaag tgctattttt accaccacat taacatatta tcactctcta 180
agtgagaaca cagaaggaa 200

<210> 2565
<211> 442
<212> DNA
<213> Glycine max

<400> 2565

agcttctccg aaggcatgg atattccag ttcctgaca aaatccaaa atctgccaa 60
atgacggtcc ttctctttct tggaaggcac cacaagatat ggtacttcct tacttcggt 120
tacagctta tcacttctac tcttcttttc atttcattt tttcatctt tctcaatttt 180
tgtaatctct tttctttttt ctacttcttt tttctttttc ttggcatta aattcttttt 240
ttcttgacca ttatgggttt ctcttttct tgattgcttt cacctctcac atcatttttc 300
ttgcctcag tgcctttctt tttagcagct ttcttcttat gcacaacact ctcctcatcc 360
tcggcctgca caaatctttt actccttgtc atcacagctt tgcatttctt ctgggattc 420
ttttctgtaa ttgccaccaa at 442

<210> 2566
<211> 201
<212> DNA
<213> Glycine max

<400> 2566

tcaacattca atttcgagcg tctcgatata tggcggtact cattcagaca tccgagtaaa 60
aagttattgt cgtttgaatt ggctcaaagg ttcaacattc aatttcgagc gtctcggtat 120
attacgggac tcaatcagac attcgagtaa aaagttatttgcgttgaat tggcttagag 180
cttcaacattt caatttcgag g 201

<210> 2567
<211> 430
<212> DNA
<213> Glycine max

<400> 2567

agttgtaaag tctccagacg acgagagtaa aaacctgcaa aattttgaa aataatcaga 60
atcggacgac caacatcatc cagataccgt cgaatttggtt cacctcgatt gatgaaagga 120
gcggatgatc ataaggtatc tctgcctgcc acctaacttg ctgtccctgg atgacaaaaag 180
gtgcgaaaga cgatgttatt ctctgtatgt caacgggctc gtttgcctt ggttaacgaa 240

aggtgcggat aaccatacag tatccccgc atgtcacctg acttcatggg tcaggatgac 300
aaaaggtgca gaacacgatg ttagtctctg cgcgtaacg agctcgttt cccctggttg 360
acgaaaggtg tggataacca tgcggtaccc cccgcatgta attggacttg gcatctctag 420
atgacataag 430

<210> 2568
<211> 125
<212> DNA
<213> Glycine max

<400> 2568

tctaaacctt gtacaagaat gaagctctga taccactttt tatacaagtgcgcctcagata 60
tcttaagaag gggggggggg gttgaataat attcttcata ctgtcctccc tattttttta 120
ccctc 125

<210> 2569
<211> 275
<212> DNA
<213> Glycine max

<400> 2569

acaaacaatg tgaaaaacaa actaagatcg tgtgatcaga tagaggtggg gagaactatg 60
gccgatacac cgaggatgga cacgcaccag gtcatttgc gaaatctttt caagaacatg 120
agattgttgc ccaatacact gtgcctgggtt ctgcgatca taatgtatggg gcagaaccaa 180
caaatcacac ctttattttttt catggtgaca agcatgacga agacagaaag cttcctcaat 240
tttcgggatt gatgctctta atacggctgt gtata 275

<210> 2570
<211> 195
<212> DNA
<213> Glycine max

<400> 2570

tgttcatctt gagataataa gtggtcatcc tcatttgaag ttgttggtgc aacatatttc 60
tttggcttaa catgaactcc aatattttta cagttctaa tgttatgatt gttttggcca 120
caccttccac atgtaaactc agccaaatttc ctctttaact tatgtcctgt gacattgtcc 180

tcatctacag atctt

195

<210> 2571

<211> 378

<212> DNA

<213> Glycine max

<400> 2571

cataattctt cattccaatt gacgacatgt tacatacata aaaattggta cagaaacttt 60

gtcatactat ccttagctcc aaataaagaa aaaaaaaaaa agaagcttgc tgtcatatat 120

ggttcttaat ttgcggaaac aaaacattgc tctagtgc ttttttcca gaagtttact 180

tgcactggaa aaaaatataac caaaagagtc agctctaaaa catgatggta aaattatgca 240

attatagcgc ttggcggtta tgtgaaagcc atttccagaa tatattattga tcagacatcc 300

caataagatt ggaaaaaaaaa gcttacaaaa tcaccagcgc tacctgaatt tattattcac 360

atatacatat cataacca 378

<210> 2572

<211> 197

<212> DNA

<213> Glycine max

<400> 2572

tattccaaac tttctacgat gttcaacaa cagttcaaaa cttaataatc tggatttgca 60

aaatcgtagt ctcacggatg gaagtattcg tatgtcatct tcttcatta ttaggtctac 120

attttctctt gagtccttgc atctcttc aatctgttg aatcatcca ctatattta 180

ctggctcttt aactcca 197

<210> 2573

<211> 412

<212> DNA

<213> Glycine max

<400> 2573

ttaaaaaact ttggctttta catgccccac tcccttgagt gggcattgaa ttgggaggta 60

tcttgggtgg tccatcatag tacatttgaa atttgattt gttcatgc catcctgggt 120

tgggtgaaaa aagattataa tggtgaaaa atttcttttag aagacaaaaa ttctctattt 180

ttaatcgatt accttgtaga aagccacatg acctttgggt ggttctgatg aatgatccat 240
gatgaatttg atggcaacat gattgccaat tggcggttt caaaggtaa aattcaagac 300
ttatgattcc tgaataccag cccatcatt tagatgatca ctattacttt tacgaaggga 360
attttaatt gatataccaa aagggttggc ccaataatgc atgtaaaaaa gt 412

<210> 2574

<211> 200

<212> DNA

<213> Glycine max

<400> 2574

ttataagtgc gggtaaga cgcgaaaggcc aagttgccgc gatatgcgag gatgactccc 60
cgaggagatt ggatttata cgccatgtt ctcccggtt ccgacaagga aattggtgag 120
tggaggaacg cccagacgtt tatgcgacaa gcataatgta acctttgta gcttaaaaac 180
tctacgattt ggcttatgct 200

<210> 2575

<211> 366

<212> DNA

<213> Glycine max

<400> 2575

agtttattcg aagcccccttg aattgaatgt cgttcatgca ttctcaacca ttgaataccg 60
cgccccatga attgattggc taacgctgct catgcattct ccatcatcaa atcttattcg 120
gagccccatg aattgattgt cgttcatgcc tcctccaccc ttaagacaa agccttccga 180
aatgactgcc aagctctgtt cgtgaaacct ctatcattaa atcttattcg gagccccatt 240
atttgattgc cattcctgca tactaaacat gttttccga gccctactta tgattgtcta 300
ctggtgttcg tgcatcctcc accatcttat ttcgagcccc ctgaattgat tgcggtcatg 360
catcct 366

<210> 2576

<211> 207

<212> DNA

<213> Glycine max

<400> 2576

ttttggagta gaaacatggg ataaaactcat ttatttcaaa aagttataac tagtcaagat 60
ctgagcgaca atacaaactt cctagcggtt tctaattcata tggccatta agtctatcat 120
atgttgacaa tagctgagaa gtctgtggat ctcttgggg gcggagtagg tgtccgccat 180
tgctttggcc ttggctagca atcgggg 207

<210> 2577
<211> 442
<212> DNA
<213> Glycine max

<400> 2577

agctttaacc tcacaggctc tcacagactt tatatttgg agccaatcca gtccttgtgg 60
tcggactctc agccacttat gatagccgcc gatgatccca ttactgcttc ccctaagctc 120
tctggcctt cttcacgccc catccatgc ctgcgaact cttggagta ccctcgccgt 180
ggggtcactg aaacctcatg cgatgaaagg cgtgatgctt tcgtctgatg gcactcctat 240
catggacat tcttcgcatg aaaatagaat cctgaatctt cttcccttct agcgaggaa 300
ccattnaaca gacgccccctc catgctagcc aagagttggt gcacaaaaaa caattcttc 360
gccgctctt tcacatcccc ggtcgaacgt gttatacatg gcccaaattgg cgacgaccgg 420
gcttcctt gcatgaagaa ag 442

<210> 2578
<211> 208
<212> DNA
<213> Glycine max

<400> 2578

tctcggtca tgctggAAC gcctctagtt caacacccgt gctgcctaAG gcacccACCC 60
agagggAAgc tccccaaGtt ccaactccga acgcgactcg accggccggt aattccaaaca 120
cgacaaggaa cttccctccg aggccattgc cgaaattcac cccgctccca atgacgtacg 180
aagatcttct accatccctc atcgccaa 208

<210> 2579
<211> 372
<212> DNA
<213> Glycine max

<400> 2579

acctggagat atgtcacggg ggtcaggaaa ccttggggac gtcaggtggg gtgctattgc 60
ccaaaaccaa gcttcaccaa tcgcgaccca acccgcccac tgattacaca gtgtaagttg 120
caggtttcca tggctgaag ctgtgtaact cgagttggc ctctggtaat cgattaccaa 180
tgctgtgtaa tcgattacca gagaagaaaa cccttgaggc ataccttta actacatgt 240
gcggttatgg gacgcattgt gttgttaccc cgaagtagat ttctcgtaa agagactacc 300
ccctttctc ttatttcttgc agatcgtaa ggcagcgcaa ttaatccatg atcgagtgg 360
gatggagtgc ct 372

<210> 2580

<211> 206

<212> DNA

<213> Glycine max

<400> 2580

tatcccccaa ttttctataa atagggggag aagtgaagtg aatatacggtt caccaccta 60
ggcacttctc tctcttcga atttgcttgg aaaaattgtt tccgtgaaga aaatccaagc 120
cgaggtgctt ccgaaacgtt tccgtaacgt ttccatgagg aatttcgcga aggtttcgac 180
cgttcttcga cgttcttcat tcgttc 206

<210> 2581

<211> 565

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2581

ttgacaaaac gaagttcatg tgaagtgaag tgaagtcact aactaactaa cactaatata 60
tagagggta gtaactaact aactcactaa ctacctaatt aaactaatta cacaacatag 120
aagccaaac tcgcaaccta attcttaag tgcagagggtt ctgcgttcca agctcaattt 180
gaccctcgag atggcaaaaa tggccatttg gagttctcac acgtttctta gctttccatg 240
gactactcac acgttccatt tggagttctg tagtgcgtc taggcctgc acaaggcaaa 300
taggtcaagt aagccaaaat ctaaaattta gctacaattc tcaattaaggc tcaatcattt 360

gccttagacc aaaactgatt taaggtgaga aaataatggt caaagagatt ntcattgagc 420
taagaagact aaaaaaaaata tttaaacttgc acatgctcaa tcgaattccc ccacacttta 480
tctttgcac tttagggcaaa actaanagaa agattaaaaaa aaatcaaact acaaaataac 540
cacaacctaa aagaaaggtt tgaat 565

<210> 2582
<211> 741
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2582

cctactccaa tcaagttatt ggtcggttgc gtgaaactat tggtgttgg tcataaggat 60
aatagttctt atctgattag gtcagggcg gccggcccg gggttacccg tgattggtaa 120
tggcataacc agaaagagga gtaggggaga caagcttatg cgctgtgtag cgcagcccat 180
ctatccggg tacagggacg annnnnnnnnt nnnnnnnntr nnngnnnnnn ntntnttntt 240
tttttttntt tgttttttnt tttttttt ttttttatt ttttttggtt ttttttngtt 300
ttttttttt tttgttttgt tttttttt gattgggtt gttatattgt ttttatgtgt 360
ttattgtata atgtttggtt tttttttga tattgtatga atttatatttatttatttattt 420
aattattttt attgatgttt tatgattta ttttatgtat atataatgtt atattttgtt 480
atgagttaat tattgtattt gttatgtttt attgtttatt ttgatgatta tattattttt 540
gttggattttt ttttgattttt ataaattttt ttttttattt ttgatgtttt 600
gtttttgtaa gtgttggttt tggattttt ttttgatgtttt ataaattttt ttttttattt ttgatgtttt 660
ttatattttgtt gattttattt angatgtatgg atatgtatgg cttatatagc ttgattgtt 720
gatcaatgtt gttattcggtt t 741

<210> 2583
<211> 406
<212> DNA
<213> Glycine max
<400> 2583

agcttgctct aaattacatt gatgtttgtt tttatggag gaggatgtat gtcattttt 60
ttttaagagt agtgtcccac tggtaaaact aactttccaa atgtttgcct tttcaagaaa 120

tggccccgag gaagcttgcc tcaaagaagt tcaggaagga caaggcagcc gaaggaacta 180
attccgctcc ggagtatgaa aatcaccgct ttaggagtgc tgtacaccag cagcgcttg 240
aggccatcaa gggatggtcg tttctccggg agcgacgcgt ccagctcatg gacgacgagt 300
atactgattt ccaagagggaa atacggcgcc ggcggtggc atcactggtt actcccatgg 360
ccaagttga tccagaaaata gtcccttgag tttatgccaa tgcttg 406

<210> 2584
<211> 229
<212> DNA
<213> Glycine max

<400> 2584

acaccataca ctactcaagc ttgaaattga acaacggaag ctctcgagaa attcaaatgg 60
tcataacttt tcacacggat gtccggctca ggcttataat atatcgagac gctcgaaatt 120
aaacatcgaa aactctcgcg aaattcaaatt ggtcataaaat tttcatacgg atgtccgatt 180
cgggcgcatc atatgtcgag aagcttgaaa ttgaacaacc gaaactctt 229

<210> 2585
<211> 631
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2585

agcttgcatt gcgttggagt atacatccac cttaagta tttgacgaag agaaatattg 60
tgaatagaa acaaacttat acaaataatc agttcccaga tttctaaaga ttggacaaaa 120
aaggattaaa aataaaaaaaa ataaaacaaa aaacatttgt tagattttt taacgcgtac 180
attattttat atatcatttg ggtaaaaaaaaa ttatatttgt attatttggg taatttttt 240
tgtattaaat aggactatt agaaaatatg ctgtcacat ctgttattta tgacgttcta 300
cattggatat taaccgatgt tgaaagatta tagtaacac cggctttta aaaccggtg 360
taatgtaaaa ttgacacatc ggtatttaac aaccgatgtataataaga ttacaccaaa 420
aacatatgaa tgtgatagtt acatcggtnt tataaaaaat gatgtaactt tacataaaag 480
aggtttata aaataatgtaa acgatacgta acatggttt ataaaccgag gtacttcaaa 540

gtacattatt tataaaaacc gaatggatag gatTTTtaa aaactttttt tttacaaaaa 600
accaaataac ccggatttaa accacccccc c 631

<210> 2586
<211> 1212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2586

ggctagaatc gatttcgtaa tactacctgt atacctcatt gcagagctct atcacttctc 60
cgtacaacca ggattacatg tcttcnatat nctcnncnn cgnnnnccga gtttgaatgc 120
atggcaatca cagacactat annnaatact caagacttct atgcgatgaa tagctgcgag 180
agacgtgcaa actgcattcg aacaatcagg atatattgtt ctaatagtct atctccacac 240
acacgagagg caacgagact tccgagactg ttctcatatc ctcgtngtag actgacgact 300
actggaaagg tgcacacgac acagttggaa ctactcctgc gtaaggcaac caaaccggc 360
ccagaagctc atttgatcac gagattggac cggcaccgct cctcagcaga ccattacgga 420
aggatactgt gctagacaga tccgacccaa ccgtccgggg nnnnnnagtn annannaann 480
gnnannanag aaaaaaggaa gaaaaaaaaa annaaaaaaaaa gaaaaaaaaa aaaaaaaaaa 540
aaaaggaaga agtagaagag gaggtatgtat agaaagagaa aggaaagtga gaaagatagg 600
agaaggaata aagagaaaaag aagaggataa gaaagaaaaga tagtaaatat agataaaaaag 660
agatagtggaa tgtgtataaa gataaggggt aggtatgtt aatgaagtgt gatagaatga 720
ttgaaagaga agatatgagg gaagtatgaa gaggagatta aatatgagaa ttaagttgt 780
tgtatgggtgt aatgataatt gaaggaagaa ttatgggtat atataaggta atgaatagat 840
aaatgatatg agtatgagt ataatgagaa tggagatatg tatagaagta gttgatagaa 900
gaataatgt aataataatg gttaagnngta gtatagaata ggagtaatag atnaatgtaa 960
tagagaaatt aaggtatagt agagttaagt gtaaataatg gaaattatga gaagatgaaa 1020
taagtagaag agttatgatg aggagttagag agaataagt tagtggtaga tatntggaga 1080
nagatangaa ctttgtatcg anagttaatg tatataggaa gggaggngt aatatgagag 1140
ttgaaaatta tggtataaaag aggtgnngat agaaagatat tggatgtgga agatgaagta 1200
atangaatag ga 1212

<210> 2587
<211> 1060
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2587

cggtaagcac tcaaacgtgt acacgaccgt gctggtaaca agcttagtgca ttactcttac 60
caaaccgtac catcctcgac gctcttgcac gtaaacatcc atatcccacn ncccnncacc 120
cccgcncccc ggtnncnnng ttagactttc gtacgtcaact tnccganngc acccnnaagaa 180
agaactgaca ccggcagggc anaggcatat acacacctca tatcgccctt cttgacgaga 240
ggcgagtaat atattgtggt ataccaagtt ccaaaaactc tcgaggcgaa ggagggccta 300
cactcaaatt ttggaagacc cccgacccca tccctaggac cataccaacc cttaaatcgc 360
cttaacagac aaaagaagga cgcgcaagaa acaactcaact ttgtggaaga accgtgtggg 420
gcaaaccctc tcgaaagata gccaatcgat aaagagccga aggagggaaat gatgggttgc 480
aattacagaa cgacataaaa ggactcgcca cgaaaaatgc caaggcggtt ccgaactccc 540
aaaagcatta accggacacg cttgaactaa acaaaaatggc gggcccacca ccacgaacaa 600
taaaaaatag tggtaataata cccccaccgg aaaaaaaaaa aaattggtga ccccccttat 660
aattgaaaga cctcgagacg aacatcacta acaaaaagaa tgtagaggct ctacagacgg 720
actactcaaa aaataacaaa cgaaagcagc gggatgaagc caaagtgtcc tctatgagaa 780
aaaaaaaaatct ctccctatga aaaaaaaagaa aaacgttcag aataagcgaa tcaaggagag 840
acagaagtaa ttacgccccg cctgcttata caaaagggcg taacaccctta caaaggagat 900
tgaaagtcca caaaaaacaa tactgggtgc cctatagggg aaaacatatt gggagaaaaa 960
aaaacaacat cccaagaaat ttccgggggg aggacacacg caaaagaaaa gagaaggcaa 1020
ttcgccccgg tggaggacat aaatactcaa caagtaaccn 1060

<210> 2588:
<211> 786
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2588

acgggatgaa atcattgacc tagcagacac catacaactat tgaatactca tgcttaccac 60
aagcgccaat cagtggactt ggcgagtggc tattttttt taccctccta gaggaaagat 120
cctttatccc ctcattaaaa ccaactgctt attgctggca aaaaaaagcc ataatcatag 180
ttctgatgcg gtcaatggca aaatactcat tggggccaag gaccttctaa ggataaaaag 240
gctttatatac caaagacnnn gtatgtctaa tataagacga catagtatgt agtataat 300
agttctatgt ataatgttta cgttatctga acttattatac tctatttaaa ttacattata 360
cgtgtgactt ttagatatcg aatatattgt agcatctgat tagtttact gatataat 420
aatcatactt atcagctgag atgtttcatt tagagatttgcgtattccatgt taattttaca 480
tactctcaat atgctatata attaacgctt tacgatttct ataataatata atttatattt 540
atggtatata ttttaatat ggattattga attaatttca ataataatata ttcatttttg 600
cattacttaa ttctttatcg acgatgtctc attagtagat taactcaaata agcatataaa 660
tattgatcga gaatagtaaa atctgaacctt ctatcccga gttttgagg catgatata 720
tgttgatatc ttctaatcta tattgactgt tgattataat tcataagtga tttttctat 780
tgccctt 786

<210> 2589
<211> 412
<212> DNA
<213> Glycine max

<400> 2589

agctttagg attatgaggt acccatcaca tgtggtacta ggtggcagtc gggcgatgg 60
gcacaacaag tttccacat ccacaatgctcg cgcataaacc caccatcccc tggccac 120
ctccatctga gtcacgtat tccacgtaa cccatatcct cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccacaaca tccaatcaaa acaacattca aacagcacaa 240
gctatcacag ccaagcaaaa cagggcaaaa gcaaaaaact ctgctcaaca caccaaccaa 300
aatcacagct tttctcactc aaagacccca gtaacaattc ctgcgttca attcgtaac 360
cattggatca actccaaaat ttactggca gtctatagtg cataaaccta ca 412

<210> 2590
<211> 911

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2590

gcatctataa cacacaatct ccatcacctt cagacaataa actgcacacc ctctgatcat 60
aacccctata ccnccncnnn ncggggatg atgctgcatg caaaccanaa caaanaagct 120
ggacgnacc accaaaagc tggggcagg aacggatttt attttccca cgatctacag 180
acaacacatc agccctgaat gagtcaagga cgcacccgcc cgagggAAC cccgagaggc 240
aatggcataa ccagaaagaa cagtctggaa aagaaactta tgcacgtggg accacacccc 300
atcaatatcc gggcgaggt cgtcnnnnga annaaannaa naaaaaaaaaaaaaaaaag 360
aaaaaaaaann aaaaaagaaaa aaaaaaanaa gaanaagaga agaaaaaaag aaaaagaggag 420
gggaaagaga ggaagaagag aaaaaagaga agagaagaag agagaagaag ggagagaaaag 480
gagangggaa gagaaagaaaa gagggagaag agaggagaag agaaggagag ggaaagggaa 540
agaagaagaa aaagaaaaga ggaagaagat gaaaaagaag gaaaaagaga gganggaaaa 600
aaaaaaaaaa aaagagaagg agaagaagag aagaaagaga aaagaaaaag aaaaggagaa 660
ggaagaaaga gagaaaaaaaaaa agagaggaag gaagagggag aagagaaaaga agagaaagga 720
gagaaaaagaa gaaaaaagaa gagganaagg aagagaaagg aagagagntg aataaaaatg 780
aagaaacgaa gagaggagtg agagngaagn nngaataaag atggagtata taagagggaa 840
atggaggagg gtattatgag tgataaatga atggaggaag gagataatga tgaacagaat 900
gaaaatagaa g 911

<210> 2591
<211> 133
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2591

agctttgagc acattcaaac gacaataat ttttactctg atgtctgaat gagcnccgga 60
atatatcgag acgcttgaaa tggaatactg aagatctgag caaattccaa cgacaataaa 120
tttttactc cga 133

<210> 2592
<211> 201
<212> DNA
<213> Glycine max

<400> 2592

tcggatttct atttcgagcg ttccgataaa ttatggact caatttgaca tccgagtaag 60
aagttattgt cgtttgaatt tgctcagagc ttggcattc catttcgagc ttctcgatgt 120
attacgagac tcaatcgac atccgagtga aaacttattg tcgttcgaat ttgctcaaag 180
cttctacatt caatttttag c 201

<210> 2593
<211> 521
<212> DNA
<213> Glycine max

<400> 2593

agcttgccaa tgctctctgg aatgccttca actgcatcaa aactattggc tactaatcca 60
aataacgtga attcttggga cccttcaccc catttgaggc cagcacttac tttgcctcaa 120
atgccagttt ttgcagcttgc acatgtca tagttcatag ctcaatagtc cttttaattt 180
tttggctctt caagtgaaat ttcaatcctt ttattgtct tttttgcat gcatgaacaa 240
cacaagagga aggggttgta gctagtcaaa tggagggtct aaatattata tcacatcacatc 300
actgtcagca agttaattt aaacttcaa atcattacat tttagcatt tactagttaa 360
gaattcctga attttcattt tcatttcaa tatatccttgc tggccagatt ttgtcaattc 420
attcatttgat agaaaacggac gaaaaaggat ataaaagggtt atgattgaga gggggaaata 480
ttaaaggcat atggggggag acaccattca atattcatca t 521

<210> 2594
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2594

tcaagaaaaa gatggcctca gcaaattcct tatttcctga aggaaattct atcaatagac 60
ctccaatctt taatggagag ggtaaccact actggaaaac ccgaatgcaa attttatcg 120

aggcaataga tctaaatatac tgggaagcca tagaaatagg gccttatata cccaccacag 180
tagaaagagt ttcaatagat ggtagtnnnn ntnntntnt tttttgttn ttttttgtt 240
atttttttt ttttgtata tattttata atgttatttt attaatatta tatttttaaa 300
tttattataa tatttaatta tat 323

<210> 2595
<211> 973
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2595

tgcgaacagac cacaatatat ccactgcaca caccgactta ttacaccact gacatcaccc 60
cgccacacta acaattctcc tccctcaanc agccnccggc nttgtgactt ggacacaccc 120
gcgaaccccg gaaacccaaaa aaagcaccgc aggaagaaca ctgggcttc cacccgaat 180
ttttttccc gggcaacaca aatttcaccc cacgggtta ataaaacata tcataccaaa 240
aactcttga aacaataag aaaaaacctc tcaccagcaa aagaggaacg ctggggaaaa 300
aaaaaattca aaacctgggg gcgaaaaccc ccaccacggg ggcaacccaaa aaaaaaaaaac 360
caaaccaagc caatgagaga aaaaacaagg ttccccacct cattcttagg ctcccgccaa 420
aaatcttaca gcccacccgc aaattaagaa ctggggcg cacacccaa aagaaaccat 480
gtgggataca acaaacggcg aaaaaaaaaa ttggaacccc ctagaaattt aagacacccca 540
agaaaagcctg tcttaccca aagaaaatgg aagcttgct gctccccca aaacattaaa 600
attgaacgag gggggcgcaa gctctggag aaataggagc ccgaaaattt ttttctaag 660
aaaaaagacc caccacccgc ggcctatggg cgctaaaaca cccaggcaga aaaaccccg 720
cgcccatctt ttataaaaaat aaaacccaaaa cggggcaata ccacgagggc aagtggaaaa 780
aacacaaacc tggacacaaa aaagcacttt tctggcgcc aaaaatctg gaacaaaatt 840
ggatatggca aggattctca caaacaaacc atcgacccca attatcacgc atactccaac 900
gaaggggggt ttcaaacaaa aaagcgcaac aaaaattcca aaaaaataat agccgctccg 960
aaagagagaa acc 973

<210> 2596
<211> 198

<212> DNA
<213> Glycine max

<400> 2596

tcaatccaga aggtcttcta atcctactgt ctatgaggtc aatcattcc aagatgacaa 60
tatagatctc tcaaccgttt ttcttatata tacaagaaac atgccatatt gaaaactatct 120
cacataacta actcactaat gtaactaact actggataac taacctatta taactattaa 180
tgacagttac ctaatcac 198

<210> 2597
<211> 1466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2597

gtgggacacg acagnctcg gtngcgtacn tcccacacgc gagagaacat atagaggaag 60
tagacgagcg gaagcgctan tggagacgca cgcgcnncgc atatctaacg cgacgatcg 120
antngagca cggagagaaa cacacacagc acacacacca aacacagaca gccaatnag 180
agatttgtac tanagcanat cggcgagagn anancccnac ccncanannn nanngngnna 240
nancgngnan agcaaaccga cacggggcga cggacganc anaaacgaca ncagagaaga 300
acgacacang acngcgcgnnc gagaacgcgc gcgcgagcat gntntgatac acagcgagcg 360
cangacggaa aacgacnggc gaacgggccc gacagggagc ngcngntgac cgaaaagaca 420
cgaacacaga cgcagcgcgc acgcgaatgg ccgcgacgga caggagacga tgcggcagcg 480
ggagccggca atgtacgcac acggcgacc agatgatacc gcgcacggcg ccacgaaaag 540
cgaaggcgac gcgaaaggag cgcgaaagaaa cgcgaaagca acggacacag gaaaccacgg 600
acgcggaaga gtaaacgggn gagcgcgaga cgaacgaatc gaacgaacgc acgaagccgc 660
gcgaggcgga cggaatggac cgctacagac ggtatgcagcg tgcgacacga ggagagcgga 720
tagggca~~cgg~~ gaggacgcga cgaaaaggtt cggacggac gagacggagc ggaaacggcg 780
agaacggacg gaaaggagat aacacagcac gggacgcaga cgcggagcaa cagacgggtga 840
acggagagag gagcgcgggc aggacgagat cgcacccgca acaaagccac gccggcgaa 900
ctacgaangg acacggacga tagngacgac caacagacag gaagcgcgcg acgcggagac 960

gacacagaga cgaacgtacg cgactcagaa ccgaacgcgg acggacagga tcaggatcaa 1020
ggagttagaga cgcacgtcg agacggatcg agcaacgcgc gagatcgaat cgcacgcagc 1080
gacatagcaa gagagaaaacg cacggacgcc aaaggcagcg gcagatgaac acatcgaaac 1140
tcgcacgagc ggaatcgaga ccgaacggac ggggtggcga cggcacggng cccaccgcac 1200
ggggacggga gcgaacggag cacaggagac agaaacgaga cgacaacgaa gacaaagcga 1260
cgagacgag aggatgacgg acgagacgcg gacaggacgg gagagggcga gaccggaatc 1320
gcaaaggaga catgcgccgc gaccgaaacg atggggcaca gacgcagacg gacggcaagc 1380
gcgtgcgccg accgacaagc gaaggcgacg acaccacacg gacggaacct gaacacggac 1440
gacagggtcg gagcgacaac gcgacc 1466

<210> 2598
<211> 761
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2598

tttttccgca ttcagagaga attgagaaac tattattac tctgacctag aatatgcagc 60
caagtcaatt tccatggcca gacttgaaga tctctggaaa gagtatcata agatctttc 120
ttcaatacag gttataacta gtgcatttcg tagcattgaa cctgaattaa cagtttatac 180
gtgcttaaaa aaaatagaag cgnnnngtaa tcatcatcaa tacgcagacg tttaacgtct 240
tttcatatgt tatgagttgt cagtcattac gtttctacat cttttctatt gcttcgttt 300
tagatttatt ccgtctttat tttgaggatt aattatatac cttgtgtgta ctacatgtta 360
atgtatcagg tgactgtcat ccttaacgtg tttttagtt tgttataatt ttgtgtcatt 420
gttcccatgt gttttaggt tctacaattt cgattcgatg gtcttatgac aagagtctac 480
gttttatgtat ctttttaatgt tgatctcatg ttcaagtatac ctaagatctt gatgcttattt 540
cgagcttctc gttcgcatc atgaccagaa ctgttagtgaa tatcaggagt gatatagtgt 600
atactatcgg aggctcgagt ttatacccta gttgaatca ttcttgtaat tgtgtctctc 660
attatttaat gaagtnnac tcccacccat cgtcgaaaa cgtntacgt cgacaatttt 720
gtctttaaac attatactca tttgtcagat cagtacgtt g 761

<210> 2599
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2599

acatcctcac cacttgtatt tttgcaatct tccatcttgc tcttctattt gntgataaga 60
aggcttcctg gtattgaaag ttaaatccctc tggtggatct tccctgttagg tacctgatat 120
aaatatattt atatctattt aatgatgttt tatgtgttct ctgtgctatc tgctttcat 180
tccaatatgc ctttaccttg atcacgtaaa tgcacgtttt gtttagggta ttcaacaatg 240
gaaactggtc tgactctaaa gtccttgata gtgcacacgt taagttgcgt gcttcacga 300
ggaatccggg tgtgataagt taagttagta tgtgtgtctt aatg 344

<210> 2600
<211> 205
<212> DNA
<213> Glycine max

<400> 2600

ttaaacttct gcagatattt tggttccttt ggacaactat atttcaaggg gaactgctca 60
tttccttact tgcaaagaac ccgactatca acagagttt tggAACATGA tttcatctgt 120
gagttacttt tacattatta ctcgagtcgc cacctgtttt gttggcctga tggttgataa 180
tgattattat tatttttct gttat 205

<210> 2601
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2601

gcctggctt gaattttcctt caagttctta actagctttt aaccataaac ttgggcctca 60
tttaacttgt ttgggcttg gcagccacgc tcaacaaagt actttcgaca cctactgtac 120
gttGATTCA ccaatgcttG tatggaaatg ttgcgacaat cttttaaaac cttattgata 180
cattctgaga ggTCGTTGT catgtggcca tattgacgtc cttctctatc gtaAGCCATC 240
gtccattttt ccttgagat gcgatcaatc catgttgcta tggctggact cagttcacga 300

aattttctta aattttgaaa aaaatgtgct tgcacggagt gtacgctgca taaaaatagt 360
tatgaataac aattttaagt ataaatgaaa gtaaaatana cgtgaccatc anatatgaaa 420
tcttacccaa tttcttcaaa cat 443

<210> 2602
<211> 206
<212> DNA
<213> Glycine max

<400> 2602

tctccgtgtg ctacatcttc tccatcgatg cgtgtttgggt ttgaagagta gtaatagttt 60
gcacacaact cgtgcctcga cgtgtcttga ccgtgaattt ggatttgaa actatggaa 120
atttacatac tgtgtgacgg aggcctcac ttccaatcag ctaagccat tcattagggg 180
tggggtggat aaagtgtaat tcgagc 206

<210> 2603
<211> 504
<212> DNA
<213> Glycine max

<400> 2603

cagcttggag aattgttata gaaattctct aaatgttctc tgaaggaaac ttcatggcca 60
agttaggggg tggacactat ggcacctaaa gtatggtag acgggcgacc gagaagtatt 120
ttgtcggaga tgtggcatg cactatcaca tatcaaattt tcaaaccctt ctattgtata 180
gtcatacgca tcccttgggtt cccactctt cttcggtgaa gccgaatagt gggccatcat 240
gggaaaggag ctctaactcc aatataccca actgcttaaa agtgttttag gataggatgt 300
cagttgaact cccttggtca ataagtgtct ttctcactat acaattgggg atttctatgc 360
ttatcacaac cgagtctatt gctttgaagt cagccaaagt aaaggtggtg tggaaaattt 420
atgtttacta accaaaccta ccatgggtgg cttttcagt ctgaggtcat tgcccttttg 480
ttagttgatg aataacaacta actt 504

<210> 2604
<211> 208
<212> DNA
<213> Glycine max

<400> 2604

tcacaagata tgcactctat ctctcaagtg tctaggctat tgtttactct cagagcaccc 60
atgaaaacaa acaccacata gacttagcaa gactctaaaa ttgacaacca cataacaagc 120
acatgcacat gaggatcaa aggtcttttta aggttgtaat gggccaagg acaaggtaga 180
tgaaaagtatg ggatggtagc taaaaccc 208

<210> 2605

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2605

agctttagg attatgggt acccatcaca tggtagtacta agtggcggtc gggcgatgg 60
gcacaacaag tttccacat ccacaaagcg cgcataaacc caccatcccc tggcccac 120
ctccaactga gctcacgtac tcccacgtaa cccatatcct cgtttctttt aacaccgggt 180
ccccatcaat cctcccaagc ttcccaaca tcaaagtaat acaacattca aacagcacaa 240
gctatcacag ccaagcaaaa cagggcaaaa gcagaaaact ctgccccaaa caccaaccaa 300
aatcatagct tttcacatac aaataccca gaaacatttc ctgcgttccc attttaacc 360
ggtggatcaa ctcgaaattt ttactggaag tctctagtagtac ataagcctac attttgaccg 420
ttgggatcta ctagcaaaca tccagaactc attctgcact actctttca caaccagg 478

<210> 2606

<211> 207

<212> DNA

<213> Glycine max

<400> 2606

taacaaaagg catgcaagt ggggtggatt cctagagcaa tttccttatg ttatcaaaca 60
taaaaaggaa aaaggtaata ttgttagccga tgctttctt cggcttcatg cattactttc 120
tatgcttggaa acaaaaattga ttgggttttga atgtttgaaa agcatgtatg aaaatgtatg 180
aactttttaga gaaattttta aaaatttg 207

<210> 2607

<211> 440
<212> DNA
<213> Glycine max

<400> 2607

atcatgaact atcaaaaaccc aagaaaacag agcaggggca gagaactttg cccaaaacac 60
aaaccaatac cacagctttt cttaacttcaa taccccagta acattcttctt cgttccaatt 120
ccttcaccgg tggatcgact tgaaaatttt actggaggc cctggtacat aattatacat 180
tttgaccggt gggatctgct agaaaacgtc cagaacccaa tatgtacaac cctttccaca 240
accagccatg cataagcatt ttctgcacaa acacaaaattt ctgctgcaca cttgaataac 300
aaaattctgc tttagaagtgc agatttcga aatcacttgc gccctcatcc aaaatcgccc 360
acattggatc ctacaagtcc taaatcaagg atatatcata tctaaaccaa agacaagctt 420
caagccaagc aactcaaaaat 440

<210> 2608
<211> 229
<212> DNA
<213> Glycine max

<400> 2608

acactataca catactaagg ttgcttgtgg agttctatg gaggctggat cttttagctt 60
caatgtggtc cttcaatgggt gattttcac catggagatg cagcggagg caaaggagaa 120
aaagaaaaagg gaagcaccat ccactaagga ataagccaag gaagaaggag ctccaccacc 180
aagaattgcc ttggataaga agcttgaaga tggatgttttta atggaggaa 229

<210> 2609
<211> 348
<212> DNA
<213> Glycine max

<400> 2609

agcttgaaga acagcttggaa gaattttgtg ttttacatgc gcaactaact tgaatggaaat 60
ttgcattgtat tgggttattat tggatgttgcattt cttttttttt atatgttatca 120
tgcattgtatca tggatgttgcattt tggatgttgcattt atatgttatca 180
aaaacttttc tattttatc tattaccggcc ttactataat ccattacaca agttggctta 240

agctggata gaagtgcac ggataaattt aatcgattac cagcttgag aaattgatta 300
cttattttt tttttagaca atgaatggct tattcatgaa tctctgct 348

<210> 2610
<211> 200
<212> DNA
<213> Glycine max

<400> 2610

tgcttgga gcttctattt aggctggatc ttgtttctt aatgaagtcc ttcaatggtg 60
attttcacc atggagatgc atcggaggc aaaggagaag aggagagggg aggcaccatc 120
cactatggaa taagccaagg aagaatgagc ttccaccacca acaattgcct tggataagaa 180
gcttgaagat gatgcttaa 200

<210> 2611
<211> 132
<212> DNA
<213> Glycine max

<400> 2611

agcttagtt gaacagaata atccaaaaat gttaataat tgggtgttga aaaagcataa 60
caagacttgc tggatttgtt ttaaagatac aatcttgca caagagaatg cttcaaaaac 120
atataaaaaa ct 132

<210> 2612
<211> 201
<212> DNA
<213> Glycine max

<400> 2612

tgaaggcaaa ctggatgcat tggtaactt ggttaaccag atgtgtcttg aatccaaaaat 60
ctgtacctgt cgcaagggtt tgggtttgt gtcctctgc tgaccaccat acagacctt 120
gcccttcat gcagcaacct gtagcaattt agcagccta agcttatgct gcaaataattt 180
acaatagacc tcctcaacct c 201

<210> 2613
<211> 511
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 2613

agctttaact gatcgtttaa gtcgtttct cgccataataa aaaaaataaa ataaatttcc 60
accgatcatt tgaattgtaa tatccattaa tttctgttaa aatgaaatcc gaccgttcgg 120
tcatgccgt aaccacgttgg aaaccaaaaa gagggtaaat aataatataa taaaaaaaaa 180
tattttagta aaataaacca aaaaaagcaa tcggacgtt ctcttggga tttcttttc 240
ttaattgaat tgactaataa ctaaagtcaa actaaggcta aaatcaaccc gcaaagtcaa 300
gctcgccac aaaaatcact aaaaaaggat tttaagattc aatacctcag ttttcttac 360
aaagtaaaaa ggatgattct taaggtccaa cgccctanaa tgatcacctt tccagtaaaa 420
agaaatcggtt gattcaccca taagaaaaaa ctacataggt cttatttcct cttcgatgga 480
gggtacgtac gaacaaaagc ccccgctttt g 511

<210> 2614
<211> 203
<212> DNA
<213> Glycine max
<400> 2614

tctttgagaa aacttccttg agaagcttct ttgagttaaac ttgcttgaga agcttctttg 60
agaaaaacttc cttgagaagc tagagcttat ttacacatac ccctctcata actaagctca 120
cctccttgag aagcttccat aagaagattc ctaaagaagc tagagcttag ctacacacac 180
ctctctaata gctaagttca cct 203

<210> 2615
<211> 477
<212> DNA
<213> Glycine max
<400> 2615

agcttgaagg tgtgttagccc accatctttt tatattagaa tactggaaat gtgtctacta 60
tcattggcat catttttct ctggcattga ggagccactt gagctgccaa gtctctccac 120
cttgggcgt attctttga aagatttgtc cccccctttt gcacatgttc tatagttgct 180
cctatccgaa gacattatac tgacactggc taacgaaagc aaccactaag tccttccaag 240

aatggactcg ggaaggttcc aagttagtgt accaagtaat agctacccca gtaagacttt 300
cttggaaagga atgtatttagc aattcctcat ctttgcgga tgccccgtc ttccgataat 360
acatctttag atgggtcttg gggcaaggta gccccctgtt cttgtcacag tccacaccct 420
gaacttggga ggggtgatga tattgtgtac taggaacaac tcttctaagt tagcaa 477

<210> 2616
<211> 203
<212> DNA
<213> Glycine max

<400> 2616

ttagtttgt aaatcaggtg tagccatttc ccttatattc ctctcacggg gtggaggttg 60
tgccatgttc tcagaatgtt caaaatcaaa atgttcaaaa caataatgct caaaatcacc 120
aataacaaaa tgctcaggat tctcaaaagg tactaaatga tgtctaacta atctatgaaa 180
tatcctatct atctcaggat taa 203

<210> 2617
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2617

agcttgggg aacagtgaat tgattaaaa tgatatgcag nggattgttt tgcatgaaat 60
gagagttga gaatgatttg aatgagcaat tgtatgatta taatggatttgaatgatttag 120
ataattgttt tgatcaagct tgcaatcatt agaagagaat aagcatgtga ttggaaagtat 180
gactgaaaaat gtttagtcagt ttgtcagatt gattgtgaag gaatgcatta accctatccc 240
ggtgagagtg tgatccttaa attttgagag aaatgactat cattttagtat tgattttgt 300
gagaatctct gaagtatgga ctgaatgcat gaaattgagg atcatgaagg ccatgtttga 360
ttgtgatacc cacttagcca aaaagatgac cacgtgcttg aatgatttat ccctgcacc 420
cagtttggc taaaatgaatt attgattgtat tgaaccctga gccta 465

<210> 2618
<211> 201
<212> DNA

<213> Glycine max
<400> 2618

tcaaagacgg atgaaactta atttacctca tatcattttt agacacaata aagagatact 60
taatttgctg accatacata ctagcacaaa tacattatag ttggggacca accaagcaag 120
acctcataac tttgccagg cttaaattc tgctaagcaa aattaaatac aatattgtcc 180
acttttgttt ggtattagaa t 201

<210> 2619
<211> 247
<212> DNA
<213> Glycine max
<400> 2619

ttgaaggaa ctcctctat ctatgaactt atcatcagat caaatgcctt taaaattttt 60
aaagaagaaa tcactgtact gggctagaga taaaaactcc tccaattcaa gttatttata 120
agaaccctaa tggcggtt tgaaatctt gtgaacacca tgacttgaat tggttataaa 180
tttgatttga tgcgaataga aaatccaaca tcagaaattt ctacaagcca aagattaacc 240
tttggtt 247

<210> 2620
<211> 190
<212> DNA
<213> Glycine max
<400> 2620

tttaggacta cttaatttat taatcgatgt aaccctaaaa tttaggaagg gggatatttt 60
caagaaacaa ttgctagagg ataagaattt cattgatgc atgtcacttt ttaatagtat 120
gaatttgttc aatgggtga taagtaacaa gcataagcac agttccttc ggccaatgaa 180
atggatttcc 190

<210> 2621
<211> 206
<212> DNA
<213> Glycine max
<400> 2621

agcttgataa tggaagacac atgaacagct ctgcataaa cattcatggg gctccgaaaa 60
atggtgagaa tggaggattt ccttgaggg cctcacttat gcaatcatga aacacaactc 120
ccaactcgaa agtggaggac acatgaccag ccctaagcaa taacattcat gtggctccc 180
aaaaaggtga aaatggagga ttgcct 206

<210> 2622
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2622

ttggggctga aaaaaactat ataacagcac caaggttcta gtttagggag cccctctct 60
ccctcgccgg agactctctc tctctctcct ctctctcttc tattttcg ttttagtttt 120
agtctctctt ctctttctct tttattttcg ntttttttc aattccagtt cagactttta 180
gttttatcaa taaaatttc 199

<210> 2623
<211> 428
<212> DNA
<213> Glycine max
<400> 2623

gcttttcaaa tggtaaaag gtcacattc actttttct acatcatagt caaacttgc 60
caaataaata ataaagtcat ctcgactcaa agaaagtcat ataagtctca tacaattaat 120
atagaaccta tatcctaattg tcacatccta tcagagccgg gtgttccgt gtcctctagc 180
atgaggttct tcataggcat tcaccttattc atctgctccc ccgaacacaa gttcaagatc 240
atcacaggat ccaaacacaa caacacacag ggagttagtt atcacattcc tagctaatag 300
agaaacaaga caattaaata tacgtattat ataaatgaga taccacttgc ttaaacatag 360
ctcacgtAAC ttcaccactt cggtattcaa aattcacttt tcaattatca atcacattac 420
ccaagaat 428

<210> 2624
<211> 211
<212> DNA
<213> Glycine max

<400> 2624

tgcttctaca gagtgaaata ggaataaaga tgaaggaaaa cagtggaaaa gaaaaacaaa 60
aagaaaaaga gaaggttgat gaggagaaaa agaagagcaa gagtgaggtt ttaagagaga 120
aaaagaacga gattactca gctgaaggaa aggaagtacc atatccattg gtaccttcca 180
agaaggataa agagcgacac ttatccagat t 211

<210> 2625

<211> 260

<212> DNA

<213> Glycine max

<400> 2625

aaactcactc ttttccact cataacacca tattctcact ttctaaccct aagttaactc 60
tacccttcat cccttagcaag tttccataag ccatttcagc acaccaacaa caaaagtatc 120
atcataaaaac cataaaactga aggtagcta actactcaac aaacaagtca gcatgcttc 180
gtaaatctct tcacaataac tatcacaag cattaaccaa acaaactacc catcatatct 240
ccaaagccca tacccaaata 260

<210> 2626

<211> 206

<212> DNA

<213> Glycine max

<400> 2626

tgcgtttttt agaacttac taactatccc atcaacaatg attttaaagt agcaaacgtg 60
acgttagattt attggcggtt atttgatccc aaatttggag tttgatttca tgataaggat 120
caccttgtaa tttgaaaatt tattcataata atgcggaaatg ataaatggaaa 180
gtttcttta tagcatttga tcatgc 206

<210> 2627

<211> 248

<212> DNA

<213> Glycine max

<400> 2627

aacattttaa aacccacttg aaccatcata aattcaattc taggatctaa aaaaggcaca 60

cttgaggcata tgaattggat tacattgtat gttacacctgca aaaatcaaaa taataataac 120
ttcattattt gtaaacctta acataattac cattcaatta aattgaatgt attacatact 180
tccctatatac tatgaaggtg ttgtttccaa agaaaaaggac cacctttaga ttccatgatt 240
aaggaaaa 248

<210> 2628

<211> 209

<212> DNA

<213> Glycine max

<400> 2628

ctttaaacccataacaagaa	tcctgctctg	ataccacttg	ttgtaccttg	tggcctcaat	60	
aatcttaaga	gggataggct	tagaatgcag	aagaagcaac	aacaatcaat	ttaacaatgt	120
tcttttgaa	tctctctcg	tgtctgttga	gaggataaga	cattttggac	caaaaacact	180
ctctcttcaa	tttgtccccaa	agtcacaca				209

<210> 2629

<211> 87

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2629

tatgtggtag attnatcaaactaattgtt ccattttgtn ttgctggtgc aaatttacat 60
gtttgctttt atattttgt ataggga 87

<210> 2630

<211> 942

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2630

cctcccttct ttagaggtc ctnctcctct ccctccctcc ctttctttnn ttctgtcctt 60
ctctctttcg tccccccctt acccacacacct ggtataacttg aaacttgtgg ccgcgtgaac 120
cccgagatct cctcgaggga ctcaagcgcg ggttattctt ttttataaaac aacagatata 180
gttctgtatt ttctcgaga aaaaaaagcc tctgagccct ggcaccccac tgaaaaacgta 240

cgagtggt tgccaacgat aacacaccct gacagtatgt gcgagattt ttcactaaga 300
catcggggt cgaaccaact tagatattc aacatggcc catgacaaca tttggccacg 360
gtgaaagcta gaagtaaac acgacgtctc actgcccgtt caaggggtg ggcagacaca 420
caacaccaac cgatgggacg cctcgctaa tcttctcgcc cgaacgttat ttggtaggac 480
aggactcat cattactaac acacagggac tagatgcacc attttgaa tgaacaagag 540
acgtgttgtt taccgcatca accccacgga tgggacttt tgatgccga ctacttcacc 600
cacccttcc tacaaatgac aagaccgcg cctaattttt gccatgcacg tggacaaggc 660
aattatgcaa aatagaatgc cccgaggaaa gattatttc tcgataaaca ctcacatggg 720
gacaacgcac cacaactt ggtcgcccc ggttcttggt gggaaaaaag acatcgacgc 780
cacgatgggg gggtcaggtg acctacccag cccccagaaa ggccgggtt gatccgcct 840
cgctttca cctgcttcca acaaaacgga cgccgcaccc cgcgatactg caccgatggg 900
tcgcgataac ccgcgatcga aggcgggag aaaagatcac tc 942

<210> 2631
<211> 145
<212> DNA
<213> Glycine max

<400> 2631

tgttgcaaaa agcgcttagc acaccctgct gcgctaagcc ccagatgctt acgggatttt 60
acaacttcaa gttggctta acgcgaggct atgctaaacg cttggtttt aaactcaaac 120
ttcatgttgg cacgctaagc tcagt 145

<210> 2632
<211> 449
<212> DNA
<213> Glycine max

<400> 2632

aagcttgcca accatggaag ccctaaatct tcccactttt tggggggggc cattcttgg 60
tggccttgat tttctcaggg tccacttggc tcccatattct accaactaca aaccctaaga 120
aaactatatt attacacaa aaagtacact tctgtatatt tgcatacagg gtgtttttc 180
taaggactga aaaaacttgc ctgagatgtc ctaagcgatc atctaggctc ctactgtaca 240

ctaaaatatac atcaaataaa acaactacaa atctacccat gaaatccctt aagacatgt 300
gcataaggct cataaagggtg cttggggcaa tagtgagccc caaaagcatc actaaccctt 360
catacaaacc agacttggtc ttgaaagcgg gtttccactc atcacccttt ttcatctgt 420
ttggcgatcc cccttttaag atcaatttt 449

<210> 2633
<211> 197
<212> DNA
<213> Glycine max

<400> 2633

tgatattatg ctaaggctca catcttatgc taagcgcata ttggtaaat atttcttgc 60
ttgcaaaaag cgctaagcac accctgctgc gctaagcccc agatgcttac gggatttac 120
aacttcaaga tgggcttagc gcgaggctag gctaagcgct tggttttaa actcagactt 180
catgttggca cgctaag 197

<210> 2634
<211> 240
<212> DNA
<213> Glycine max

<400> 2634

gggatcttaa gtgaccgcgg ctgcagctt taacattaaa tggtaatact tttactcgga 60
ggccggaatt aggccataa tatatcgaga cgctcgaaat tgaacaatgg aagctcttga 120
gcaattcaaa tggcataac ttttactcg gatgtccgaa tcaagcgcat aatatatcga 180
gacgctcgaa attgaacaat ggaggcaccc aagaaattaa atggcaaaa acgttttact 240

<210> 2635
<211> 193
<212> DNA
<213> Glycine max

<400> 2635

ctgatgataa catgacaaac tccaagtgt tcatttttgtt gacaacgtca tttatatacc 60
gatcgttatt ttgcatgaaa aggggagaaaa tggaaaaga ttaagatccc cgagaaataaa 120
cttaacaaaa aactatatgt cccctaacctt cgattattat agtccaaaga ttctccaaa 180

ttattataac gtg

193

<210> 2636

<211> 232

<212> DNA

<213> Glycine max

<400> 2636

agcttgctt gagaagcttct atggaggcata tatcttttag ctttaataag gtccttcaat 60
ggggattttc accatggag ttgccatgaa agataaagga aaaaagggga gaggaggcgt 120
tatccacaag aaaataagcc atggaaagag aaacttctcc accaagaaag tggcttggat 180
tagaagcttc aagaagaaaa gaatgagaga aaaagagggg gcataagaat tg 232

<210> 2637

<211> 205

<212> DNA

<213> Glycine max

<400> 2637

ctttgatgtt acattttggag aggttaatga aacaacgtat tatgtatgcgc tccatgagag 60
gttggatcaa atggagaata gagaccatat gaaattgctca agagcttcca ttgttcaatt 120
tcgagcgtct agatataaa tgccctcaa tcggacctcc gagttaaaag ttatgaccat 180
ttgaaaatgct caagagcttc cattg 205

<210> 2638

<211> 368

<212> DNA

<213> Glycine max

<400> 2638

caagcttat gaagttttt ggttttctaa accttgaaaa cttgcgttat tcatttttc 60
attctcttct ctcttgcca aaaagaattc accaaggact aaccgcctga attcttttg 120
ggctctctttt ctcccttttc caaaagaaca aaggactaac cgccgtattt ctccgtgtc 180
tcccttctcc cttgtcaaag aattcaacat gacacagtct gagaattctt ttgatttttc 240
ccattcccta atacaaaagc attcaaaggt ttaaccgcct gagaattctt ttgtatcccc 300
attcacaaaag tattcaaggt ttaaccgcct aagatcttg tcttaacaca ttgaaaggga 360

catccttt

368

<210> 2639
<211> 217
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2639

tttattgcat agataaaaagt taagagtgc aaatattgtt gttggcacac attgggtacc 60
ttgagttac atggagatgg gacttattta aagaaatggc tcaccaaatg tgaaccttgg 120
gtttgttgag ccttagaaca cactggcgtg ttgccttga gtttatcaa gcctatggag 180
ttgcgtcaac gcttaccaag gacnnntttt tttttt 217

<210> 2640
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2640

agcttttaa aaagaattta acgnggntcg acacccctcg cctatgtcca cgagaccgtc 60
ttaaaaagta ttcaactatc acaaaaatga ttacaagatt gtaaccacc ccaaatactg 120
tatcaactcta caaacccgag tactccactc aatggttata agaaatgata acactctcac 180
acaaagacac tttctctca acaaagtgc tttgttcac aatctctttt ctcacacaca 240
ctctcttcat ggggtgggtt tctccctaa atctcttctc tatttatagt gaagattgcc 300
accaactatt ataaataatt tctcttgaa gttgaaacaa aaacaatttt tcaatgcac 360
cattaagcta aagctcatct agtaaaaatgc aatctttcac tttccattaa agccacctaa 420
accttagtga tgaaaatcca attccatat gcatgcactt atcttgggtt gaaactctac 480
acttaactat tattttt 497

<210> 2641
<211> 204
<212> DNA
<213> Glycine max
<400> 2641

tgctaagatt tttagtatga caatttcaaa atataagaat aacataaatca tttattgtta 60
gggaaaaaaa cacgtcttc taaattcaaa atccaaagtat tatttataac aagttacttt 120
aaccttcact ctccttata gaaagaaaaga aaagaagcaa ctatcactta aagtaatata 180
agacaatatg agataatttc ttta 204

<210> 2642
<211> 355
<212> DNA
<213> Glycine max

<400> 2642

agcttcacaa gatgatgccg atcgaacttt tccttaactga tatcatgcaa atttcgttca 60
cgaggattgaat tgaaaactca atagccgaca tcggcctcga aatagccccg attgatattt 120
ttcagccgac atttagcaat ttttttaaa aactctcgct ggcagataat ggttttttta 180
cggttagagga agttttcttg ttttgggttt gcataaaata tttacaattt aagtccggcta 240
ggattttttg tgcgagctca accgaacttt tgttgggcc aaaactggct tgttcccatt 300
tattcggcca gcaaaacatt agccattcc ggcaaaaaaaaaa atattattca ccgat 355

<210> 2643
<211> 198
<212> DNA
<213> Glycine max

<400> 2643

tcaccggatg acgcccgtatcg aacatttcct aaccgacgtc atgcaaattt cgttcaggga 60
ttgaattgaa aactcgtagt ggcacatctg tcgtgaagta ggcacggata ttttcagcc 120
gacattgcac aattttttt agaaaaagctc gctggtcgat aatggccttt ttacggcaga 180
gtaagtttc ttgttttg 198

<210> 2644
<211> 142
<212> DNA
<213> Glycine max

<400> 2644

tgcaagcttc aaattcaact tcgagcggtt tgttatatta tacgactcaa ttatacatcc 60

gagtaaaaag ttattggcgc gtgaattggc tgagaacatc aacctcta at tttttagcgg 120
gccgatata gacgggactc aa 142

<210> 2645
<211> 200
<212> DNA
<213> Glycine max

<400> 2645

ttgagcaa at tcaa acgaca ata actttt actcgatgt ctgattgagt cccgtaata 60
atcaacacgc tcgaaattga atgttgaagc tctgagcaaa ttcaa acgac aata tattt 120
taatcgatg tctaatttag tcctataata taacgagacg ctagaagttg aatgttgaag 180
ctttgagcaa attcaa acgaa 200

<210> 2646
<211> 876
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2646

gcacggccga agactacgac gacaggcgac tggagggaca ccctggattc gcaagagcgg 60
catca tact aaaaaa accc ctacna accc cccaagg tca tgagactgag acctcaccc 120
ccagggaa at accccc gggg gtggagggtc gacgccaaga aaggggcatg gtttatgttc 180
atacgaaggg caggc ttcc tggggggggg gagggggggc acacaccata acaaacaagg 240
agggtgaaaa aggaa acgaa aggaa ataga gggacgaga agaaaaaaaaa gggggggaca 300
aactcgtagg cggcgaactg gggc gaca ac acgagagg gg ggc gaa acgc gtc ggg gaggg 360
aaaagctggg tcaaaacaag cggacgagac aaaacgttgg ggccggagac aaactagacg 420
ttgatgtggg gatgagcggg tgaagccaa aacctcggtg gggaa gacgag gatggaaaaa 480
acgcgaggcc gagggaccaa ccacgaggca gaaaaa acaa ggaa atcgag gatggc gacg 540
ggacaagcgg aggaggac gac gactgcag atac caca ag gggagc gat aaacgc gca 600
gacaaga a gcaacggaa acggatgaga ggc gac gaa gacaga acag acgc cggg 660
aggggg aag aaaa acatcg ggc gat a gac gat gctg gtgc cagata gtt accaa ac 720

gacgggaatc cggtcgatg acgcgtaaaa gcggacggga gagcacaccg caggccggcg 780
acgagcaata tctaaccgaa ggaaaaggat gatgcaaggaa aacgcagag ggtcgccgga 840
cacacctgaa gggatagac gcttggagaa ggaaag 876

<210> 2647
<211> 207
<212> DNA
<213> Glycine max

<400> 2647

ttgagccaaa atcctgactc accataaacc ttgaccagg gtgagaatgt ttatccttac 60
tctcgaaaac aaaaaagaag gaaaggaaat ttccaatcaa agaaagaaaa aaggagagga 120
aaggaaattt ccaatcaaag agaaagaaaa gaagaggaaa ggaaattccc aatcaaagag 180
tgggagaaag aaaaaagaaaa agaatga 207

<210> 2648
<211> 400
<212> DNA
<213> Glycine max

<400> 2648

aaacaacaac ctttgagg aatcttctgg agggcccaag tgggtctgg tgcatttgc 60
acccccattt ttactaaata cacccctgc cttttttgg ggatttttt ttcgtaaagc 120
tacggaaact taataaattt tctaaccgat acttggttc tttccgtaat gttaccgaac 180
cttgcggatt acataatcat cccttttg acttacggaa tgttacgaaa cctcactaat 240
tgtgcaacga tgcttcctt tgattccgg ggtgtcacgg aaccttacgg attgtgcattc 300
aatattttct ttgattttc ggcacgttac ggaatttcac aaattgtcta ctgatgggtg 360
ccaagcacct taataatgac caaacacaag ttgcatgcc 400

<210> 2649
<211> 208
<212> DNA
<213> Glycine max

<400> 2649

ttgagccaaa atcctgactc accataaacc ttgaccagg gtgtgaatgt taatccttac 60

cctcggaaagc aaaaaaaagaa tagagggaa atttccaatc aaagaaaaag agaaggaaaa 120
tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180
gcaaaaaaaag aaaagaagga aaattccc 208

<210> 2650
<211> 449
<212> DNA
<213> Glycine max

<400> 2650

tttgtggccc ttctctccc ttccaaattta gttgggggga ccaaccctta tcgaagtaag 60
ttccctctcc ctttgacct ttgtgatttgc ctacttattt cattgtttt caaactttaa 120
attttgctag tgtcacataa caccacttgc atttgtttaa cagtaatcta ttttagttgt 180
tcattttcca attgcagcat aactcacttc tttagctatg ttgtgtggca catgctttga 240
tgttcaaattc tcccaacttg aagattctga atattttgc atttttttta tgcttgcacg 300
ggagacggtg atatagttca tacccttgct tggcttgcca ttttggaaatg gcaaagcttt 360
catgactttt ttttggtgaa gacaaccat ttagcttgc atttctataaa ttattgcggg 420
cttggatgca aattgttgc ttacctagt 449

<210> 2651
<211> 206
<212> DNA
<213> Glycine max

<400> 2651

ctaacaaact tagaaatcaa gtgatcatgt attccgcaat atatggggag aaaaacggat 60
gcacattttta tctatataca attgtttgtt gcttgcttgc atcttgattt caggtattgt 120
attgtcatca tcaaaaaggg ggagatttgc gatgcaatttgc ttgtatgtt tttgtatgt 180
atcatgatgc tttgttgc aaatgttgc 206

<210> 2652
<211> 407
<212> DNA
<213> Glycine max

<400> 2652

ggcatgagtt ttaatcgagt tttataatca tatatcatct atcatctatc cttcaatcta 60
tctttcaata tcttcttca tctctttcta cagaacttgc taattcattt atcctcatct 120
ttctaacagt ttttgttcaa cactttctct ttcaagaaaa gttcttgat aaaaaaaactt 180
ggggatttca tctttttcat tctcttcctc ctggccaaa agaacgaagg actaaccgcc 240
tgaattcttt tgctttctc ttctccctta ccaaagattc aaaggactta gccgcctgga 300
aatctttga ttcttccctt ccccttaagc caaagattc ataggactaa ctaccacaga 360
aatcttctgt ttcccccttc caagatttag ttgactaacc gcctaag 407

<210> 2653
<211> 202
<212> DNA
<213> Glycine max

<400> 2653

tacctttca ttgggtgtatt ttgatctcct ttgggtgctc taaattgtgg gaatgtgctt 60
aaatatgtgg ggcaattttg gtttgtttc ttgcttgatt aggttgaatt gggggtttgt 120
atgggatggc cctaggccta taatgcattt taaaacaatg ggacatgcca cattgtcccc 180
gttctcttgc tattgatgcc ta 202

<210> 2654
<211> 373
<212> DNA
<213> Glycine max

<400> 2654

ggcttgtaca caacaacacc aacaaagtcc attaattcct ccataacaat gatgctcaat 60
accaacacccc tctttccac cttctctctg actctcaagt atatttgcac ttcatgcata 120
ttgaaatgct catatgcaaa aactacttc aaattttatt cttgcatatg gtgttcgttt 180
attatatgca taatttgca atcttcctta aaactttatt ttaatattaa tggtatagga 240
agcaactgaca cagaagtgcg gaatttatcg gcagctgaaa atgttgaacg gagaaaaagat 300
acttgagcaa ttccaagctt ctacatctt tgaaccgggtg gcttctataa ctcacgaaac 360
agaaaagtgaa aat 373

<210> 2655

<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2655

agctntgaaa tccaaagatc taatccaagg tataatgtttc ataaaggggga ttccccttact 60
tgtgctattc gagtgcaacc tattctttta tattccttattc gtgtgttaggg aaacttaagc 120
tttttgcgtc ttctttaaat aaagatatgg tggagaaac cccaaacttagc gggtttgtgg 180
taatttctaa tggggggttt aattggcctg tgaaatttc tggtagaaca ttaatgattt 240
atctaatttgc ttggcctttt agccaaatttgc atggtatttct ggttatggac tgggtatctt 300
ccaaaccatgt cttgttaagc tgctttgata aaactatggc ggttcatggc tctagagtga 360
gtaaggatataatggagaa gccagcttca tgatgaatca agattgatttca aaagaagttc 420
tgatgatgac aaagggtgatg acaaaaaagct caacgaccag aacaattaat gatacaaaga 480
tgatg 485

<210> 2656
<211> 188
<212> DNA
<213> Glycine max
<400> 2656

tcaagtaatg agtatcttc ctttcactct agtgctttac attatataaa tttgccatat 60
tctcgataaaa tttgcagct tcatttttta ggcaaaagcac tgtcaaattct atggaatctt 120
atggacacat catacagtga gcggcaatct tttccatg taatcaatataat gttgccactc 180
tcattctgc 188

<210> 2657
<211> 434
<212> DNA
<213> Glycine max
<400> 2657

agcttgcttgc ataagcttct atggaggcttataatggatg ctttaataag gtccttcaat 60
ggtgatttc agccatggag ttgcatttgc agataaagga gaaaagggtga gaggaggcgt 120
catccacaat agaataagcc atggaaggag aagcttcgccc accaatagag tgccttggat 180

aagaagctca aagaggaata taatgagaga tagagagggg gcataggaat tgaaggagag 240
aagttgaact ttgaagttag ttcacaagt ttctcattca tcaaagctat gaaaagtgg 300
acacatgttt ctattnatag cctagcacat gggaaagcttc cttgggattc tataggcaga 360
aagcttcctt gagaagctag aaaggggcta ctcataccccc tccaaatagct aagctcaccc 420
ctatgtatga taca 434

<210> 2658
<211> 200
<212> DNA
<213> Glycine max

<400> 2658

cgttaaggatg gcacaaatca acgaaggatt atcaactaca atcttcagt catcgcttca 60
ctcaagctca agtgttgagg ctcattccat cgtaaacaac taacacaagg tccaacctt 120
gcgtttcatc tcatagtcata cagcgatgtat cacacaatat gaatctgaat gacttcctag 180
tcttgtaatg gggtaggct 200

<210> 2659
<211> 537
<212> DNA
<213> Glycine max

<400> 2659

agcttctata taagctgaac catttatca attcacaa gttgagttt attcagaaaa 60
tttagagtttata tctctttat ctttagtgaga gtgattctcc taagttctt 120
gaacaccctg gctgtatcaa aggacttca caaccttgt gtgttgcctt cgccagaaag 180
agcgattttt tccttcctt catcttcaac ctggcttt caaaccacaa ttccagaaaa 240
tccacttctg cccagaatta tctcgtggcc ataactccag ttttacgcac tcaaattaag 300
tgattcttga gcctaaattt aatttcataa cgagacattt cacctcattt tggaatcacc 360
tcatttggag cccggtagct tgagctattt gcatttctat attatgtcca gccctcactt 420
aacctacgtt tttttcattc tcatttatttca attttatgcc aagaaccaac ttattaagac 480
ccacgaaata aacaccttata ttttactctt tctttatcaa tttcgcattt ccattca 537

<210>	2660
<211>	203
<212>	DNA
<213>	Glycine max

<400> 2660

tgttagccatt agaagagaat gagcacgtga ttagaagtat gactgaaaat gttagtcagt 60
ttgtcagatt gattgtgaag gaatgcatta accgtatccc ggtaagagtg tgatcctaa 120
attttgagag aaacgactat cattttagtac taattttgc gtgaatctt gaagtatgga 180
ctqaatqcatt qaaattqagg atg 203

<210> 2661

<211> 534

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 2661

cantcgcggc atgcaagctt ttaatttagag gcgaattattt ttgaaggtca tgatgcttt 60
atctataccca ccatgcaaatt taatgccttg attgacaaat gcttaatttc cacaaggtgt 120
agctttttttt taagaaaaaaa atgtatttgc gtaataaaattt tatataactt ttaacgatga 180
agagagaaaat aaaataaaaaa gagataaaaat agatattttt tgtgtgtgat aatcaaggct 240
taaatattaa atttggaga aactagctat ctcaatctca ccactagatg gaccctagta 300
aggtataaaaa tataattgat atgatgaaga gtgattgaac aagtatttat ctataaaatat 360
ttatatgaga agaaaataaa attaattaaa gttttctat ttattaaaat taacttacac 420
cactgtattt ttacatataat aaactctctc gggttattaac atattggcgg gccgagtgac 480
aattqattta attttttaaa taqqqgtqta tgtttaagtt ttgttaattga aaaa 534

<210> 2662

<211> 200

<212> DNA

<213> Glycine max

<400> 2662

tgtattgtgt gagcttggtagcatgtta tgtttgctgt tatttttaa ttctttgacc 60
ctttgaatgg ccaaactgga ttttgatgtc ttcatgagag ttgttagagaa ttctatccctt 120

gacatttagg tactggtctt atgtcatttg gaccaataac acataataaa tcttcaaagc 180
attgcactta cgttatattg 200

<210> 2663.
<211> 489
<212> DNA
<213> Glycine max

<400> 2663

agcttataga gttaagtctc atataggttt aatcaattac aattgttca taatcgatta 60
cattgctgtt tgagacaatg actaatttat tcaaaaagtct ctgctttaat tgattaccaa 120
gtggattaat caattacttc tctctcattt agttgttcaa aggagaacaa gaataacttta 180
atcgattagt taaagcatct aatcgattac attgttcttg agttcttcc agatgttggg 240
aagaacactt caattgatta cttaaataat ctatcaatt actttgttga attaatcaat 300
tactttgttag atttaatcaa ttactggcgg ttatatcagt tttctctata aataaccagc 360
tttgttac aactacacat caagagatca atagagatta ctcaacacat ctcgaaaata 420
actcattaac ctctgaatga gaatgatctc atgttattca taatgaataa gagaagaaaa 480
gaaaagagc 489

<210> 2664
<211> 204
<212> DNA
<213> Glycine max

<400> 2664

tttcgcaaag cttatggtaa aatctggac ttagccatgg tagaagtctc cacagaagcc 60
attgcctccc tcgcccagta ttatgatcag ccgatgaggt gcttcacctt tagggacttc 120
cagctatcac ctatggtaga agaatttcaa gaaatcctac gatggcctct aaggtgaagg 180
aaaccctatc tcttctcagg gttc 204

<210> 2665
<211> 958
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 2665

gactgatacg tattgggtgt cagacgtgtn tatgctatac cgtgttgtaa agcgttagatt 60
gtggtagtta gtgtaacgtat atttatcnt cctcctccac tcacagccnn ctttttgact 120
ctgagcgaca tcgaggcacc cgagaaaaat ccccaaggaa accccccggg attggaagtt 180
tttggaaagtg ggaaaatttt tttcttataat tttgatagac acagggggga gtgacggta 240
agagagttcc tgtaaagaca cacatccttc agaggggtat aaaaaaggaa gaaggggggg 300
ggccggattt tcttcaatgg ggaggggaaa aacggtggga gaaagctggg gtatgactat 360
ataggagggt ggggagacgg gatgacaaag aagggggatt ttttctccc ggcgatagaa 420
tagagccaca agagttggaa cgggtcggga gggataact cccacaagtg ggtgtcgtgg 480
agggggttt gtggtaata agcaaaacga ataatggtc ggaggggacg ggaaaagaca 540
gaatttagct ggcccttgc gggatttga taaaagaagg aggttttaa gacggtgaa 600
agggccttgt tacatatcag gggggggagg aaaattttt tagtgatt tatagaaaag 660
agagcaaaag ggggtatggg cgagtctccc gaaaagagga tcctatgtt aggggtggga 720
gggaaaagat tggagaaaat gtggagataa gagagggaa gaaaaaatgt gtgttaattt 780
tgaagaaaag gagtttggg gtggggacgg aagaggatat tggcgtata attcgaaaa 840
gggggttaggg aggaagaggg tcgaagaatg tggtaatgt tggggaaat ccttagggga 900
gggaagggag gtttttttgc gtttagaaag tgctaagagc accaaaatgg gggaatcg 958

<210> 2666
<211> 198
<212> DNA
<213> Glycine max

<400> 2666

tcttaggatc ttgtgattt gatttgat ttgatcttag gtactatatg acttcccttg 60
tgattttaga tcatttgta tgacaatgaa tctactaacatctcctaataattctgc 120
ttcttcata ttgaacaggt catattggag tgtcaagatg tttatcgtgg actcattac 180
ttagttagtc ccatcata 198

<210> 2667
<211> 199
<212> DNA
<213> Glycine max

<400> 2667

tattgtattg acccacccca agtggctgag cttgtcagc aataaggtct acaatcaacc 60
catcaaatgt ctcttaagta ttttctttt atgctttatg tcacttaagt cttaaacctt 120
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<211> 424

<212> DNA

<213> Glycine max

<400> 2668

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<211> 202

<212> DNA

<213> Glycine max

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<211> 437

<212> DNA
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<211> 1089
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 2671

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